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 <120> TITLE OF INVENTION: RECEPTOR PROTEINS; RELATED REAGENTS AND METHODS
 <130> FILE REFERENCE: DX0724XK1

 <140> CURRENT APPLICATION NUMBER:12100088
 <141> CURRENT FILING DATE:0001-01-01

 <150> PRIOR APPLICATION NUMBER: 11844179
 <151> PRIOR FILING DATE: 2007-08-28

 <150> PRIOR APPLICATION NUMBER: US/09/950,041
 <151> PRIOR FILING DATE: 2002-05-06
 <150> PRIOR APPLICATION NUMBER: 09/728,540
 <151> PRIOR FILING DATE: 2000-11-28
 <150> PRIOR APPLICATION NUMBER: 60/207,558
 <151> PRIOR FILING DATE: 2000-05-25
 <150> PRIOR APPLICATION NUMBER: 09/073,363
 <151> PRIOR FILING DATE: 1999-06-05
 <150> PRIOR APPLICATION NUMBER: 60/044,293
 <151> PRIOR FILING DATE: 1997-05-07
 <150> PRIOR APPLICATION NUMBER: 60/072,212
 <151> PRIOR FILING DATE: 1998-01-22
 <150> PRIOR APPLICATION NUMBER: 60/076,947
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 <160> NUMBER OF SEQ ID NOS: 45
 <170> SOFTWARE: PatentIn version 3.1

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 atc aga ata caa tta tct gaa gaa agt gaa ttt tta gtt gat agg tca
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 aaa aac ggt ctc atc cac gtt cct aaa gac cta tcc cag aaa aca aca
 144 Lys Asn Gly Leu Ile His Val Pro Lys Asp Leu Ser Gln Lys Thr Thr
 15 20 25
 atc tta aat ata tcg caa aat tat ata tct gag ctt tgg act tct gac
 192 Ile Leu Asn Ile Ser Gln Asn Tyr Ile Ser Glu Leu Trp Thr Ser Asp

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240	Ile	Leu	Ser	Leu	Ser	Lys	Leu	Arg	Ile	Leu	Ile	Ile	Ser	His	Asn	Arg	
			45					50					55				
	atc	cag	tat	ctt	gat	atc	agt	gtt	ttc	aaa	ttc	aac	cag	gaa	ttg	gaa	
288	Ile	Gln	Tyr	Leu	Asp	Ile	Ser	Val	Phe	Lys	Phe	Asn	Gln	Glu	Leu	Glu	
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	tac	ttg	gat	ttg	tcc	cac	aac	aag	ttg	gtg	aag	att	tct	tgc	cac	cct	
336	Tyr	Leu	Asp	Leu	Ser	His	Asn	Lys	Leu	Val	Lys	Ile	Ser	Cys	His	Pro	
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	act	gtg	aac	ctc	aag	cac	ttg	gac	ctg	tca	ttt	aat	gca	ttt	gat	gcc	
384	Thr	Val	Asn	Leu	Lys	His	Leu	Asp	Leu	Ser	Phe	Asn	Ala	Phe	Asp	Ala	
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432	Leu	Pro	Ile	Cys	Lys	Glu	Phe	Gly	Asn	Met	Ser	Gln	Leu	Lys	Phe	Leu	
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	gaa	aaa	gaa	gac	cct	gag	ggc	ctt	caa	gac	ttt	aac	act	gag	agt	ctg	
576	Glu	Lys	Glu	Asp	Pro	Glu	Gly	Leu	Gln	Asp	Phe	Asn	Thr	Glu	Ser	Leu	
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	cac	att	gtg	ttc	ccc	aca	aac	aaa	gaa	ttc	cat	ttt	att	ttg	gat	gtg	
624	His	Ile	Val	Phe	Pro	Thr	Asn	Lys	Glu	Phe	His	Phe	Ile	Leu	Asp	Val	
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672	Ser	Val	Lys	Thr	Val	Ala	Asn	Leu	Glu	Leu	Ser	Asn	Ile	Lys	Cys	Val	
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816	Thr	Trp	Asn	Ser	Phe	Ile	Arg	Ile	Leu	Gln	Leu	Val	Trp	His	Thr	Thr	
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912	Phe	Arg	Asp	Phe	Asp	Tyr	Ser	Gly	Thr	Ser	Leu	Lys	Ala	Leu	Ser	Ile	
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 Glu Ile Phe Ser Asn Met Asn Ile Lys Asn Phe Thr Val Ser Gly Thr
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 1056 cgc atg gtc cac atg ctt tgc cca tcc aaa att agc ccg ttc ctg cat
 Arg Met Val His Met Leu Cys Pro Ser Lys Ile Ser Pro Phe Leu His
 315 320 325 330
 1104 ttg gat ttt tcc aat aat ctc tta aca gac acg gtt ttt gaa aat tgt
 Leu Asp Phe Ser Asn Asn Leu Leu Thr Asp Thr Val Phe Glu Asn Cys
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 Gly His Leu Thr Glu Leu Glu Thr Leu Ile Leu Gln Met Asn Gln Leu
 350 355 360
 1200 aaa gaa ctt tca aaa ata gct gaa atg act aca cag atg aag tct ctg
 Lys Glu Leu Ser Lys Ile Ala Glu Met Thr Thr Gln Met Lys Ser Leu
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 1248 caa caa ttg gat att agc cag aat tct gta agc tat gat gaa aag aaa
 Gln Gln Leu Asp Ile Ser Gln Asn Ser Val Ser Tyr Asp Glu Lys Lys
 380 385 390
 1296 gga gac tgt tct tgg act aaa agt tta tta agt tta aat atg tct tca
 Gly Asp Cys Ser Trp Thr Lys Ser Leu Leu Ser Leu Asn Met Ser Ser
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 Asn Ile Leu Thr Asp Thr Ile Phe Arg Cys Leu Pro Pro Arg Ile Lys
 415 420 425
 1392 gta ctt gat ctt cac agc aat aaa ata aag agc att cct aaa caa gtc
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 430 435 440
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 Ile Asp His Asn Ser Val Ser His Pro Ser Ala Asp Phe Phe Gln Ser
 475 480 485 490
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 495 500 505
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1680 Glu Val Leu Glu Gly Trp Pro Asp Ser Tyr Lys Cys Asp Tyr Pro Glu
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620 625 630
cca aac cta gag aaa gaa ggt atg cag att tgc ctt cat gag aga aac
2016 Pro Asn Leu Glu Lys Glu Gly Met Gln Ile Cys Leu His Glu Arg Asn
635 640 645 650
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2064 Phe Val Pro Gly Lys Ser Ile Val Glu Asn Ile Ile Thr Cys Ile Glu
655 660 665
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670 675 680
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2160 Glu Trp Cys His Tyr Glu Leu Tyr Phe Ala His His Asn Leu Phe His
685 690 695
gaa gga tct aat agc tta atc ctg atc ttg ctg gaa ccc att ccg cag
2208 Glu Gly Ser Asn Ser Leu Ile Leu Ile Leu Leu Glu Pro Ile Pro Gln
700 705 710
tac tcc att cct agc agt tat cac aag ctc aaa agt ctc atg gcc agg
2256 Tyr Ser Ile Pro Ser Ser Tyr His Lys Leu Lys Ser Leu Met Ala Arg
715 720 725 730
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2304 Arg Thr Tyr Leu Glu Trp Pro Lys Glu Lys Ser Lys Arg Gly Leu Phe
735 740 745
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2367

Lys Lys

<210> SEQ ID NO 2

<211> LENGTH: 786

<212> TYPE: PRT

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Lys Asn Gly Leu Ile His Val Pro Lys Asp Leu Ser Gln Lys Thr Thr
      15          20          25
Ile Leu Asn Ile Ser Gln Asn Tyr Ile Ser Glu Leu Trp Thr Ser Asp
      30          35          40
Ile Leu Ser Leu Ser Lys Leu Arg Ile Leu Ile Ile Ser His Asn Arg
      45          50          55
Ile Gln Tyr Leu Asp Ile Ser Val Phe Lys Phe Asn Gln Glu Leu Glu
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Tyr Leu Asp Leu Ser His Asn Lys Leu Val Lys Ile Ser Cys His Pro
      75          80          85          90
Thr Val Asn Leu Lys His Leu Asp Leu Ser Phe Asn Ala Phe Asp Ala
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Leu Pro Ile Cys Lys Glu Phe Gly Asn Met Ser Gln Leu Lys Phe Leu
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Gly Leu Ser Thr Thr His Leu Glu Lys Ser Ser Val Leu Pro Ile Ala
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His Ile Val Phe Pro Thr Asn Lys Glu Phe His Phe Ile Leu Asp Val
      175          180          185
Ser Val Lys Thr Val Ala Asn Leu Glu Leu Ser Asn Ile Lys Cys Val
      190          195          200
Leu Glu Asp Asn Lys Cys Ser Tyr Phe Leu Ser Ile Leu Ala Lys Leu
      205          210          215
Gln Thr Asn Pro Lys Leu Ser Ser Leu Thr Leu Asn Asn Ile Glu Thr
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Thr Trp Asn Ser Phe Ile Arg Ile Leu Gln Leu Val Trp His Thr Thr
      235          240          245          250
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      255          260          265
Phe Arg Asp Phe Asp Tyr Ser Gly Thr Ser Leu Lys Ala Leu Ser Ile
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Glu Ile Phe Ser Asn Met Asn Ile Lys Asn Phe Thr Val Ser Gly Thr
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Arg Met Val His Met Leu Cys Pro Ser Lys Ile Ser Pro Phe Leu His
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Gly His Leu Thr Glu Leu Glu Thr Leu Ile Leu Gln Met Asn Gln Leu
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Lys Glu Leu Ser Lys Ile Ala Glu Met Thr Thr Gln Met Lys Ser Leu
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Gln Gln Leu Asp Ile Ser Gln Asn Ser Val Ser Tyr Asp Glu Lys Lys
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