

	Component (Gene Family)	<i>Drosophila melanogaster</i>		<i>Homo sapiens</i>	
		Gene Name(s)	Protein Name(s)	Gene Name(s)	Protein Name(s)
Common	Opsin	ninaE	Opsin Rh1	OPN1LW	Long-wave-sensitive opsin 1
		Rh 2 to 7	Opsins Rh2 to 7	OPN1SW	Short-wave-sensitive opsin 1
				OPN1MW	Medium-wave-sensitive opsin 1
				RHO	Rhodopsin
	G beta	Gbeta76C	Gbeta76C (or Gbe)	GNB 1 to 4	G protein subunit beta 1 to 4
	G gamma	Ggamma30A	Ggamma(e)	GNGT1	G protein G(T) subunit gamma-T1
				GNGT2	G protein G(T) subunit gamma-T2
	Calmodulin	Cam	Calmodulin (or CaM)	CALM 1 to 3	Calmodulin 1 to 3
	Arrestin	Arr1	Phosrestin-2 (or Arrestin-1)	ARR3	Arrestin-C
		Arr2	Phosrestin-1 (or Arrestin-2)	SAG	S-arrestin
	GRK	Gprk1	GPCR kinase 1	GRK1	Rhodopsin kinase GRK1
				GRK7	Rhodopsin kinase GRK7

	Component (Gene Family)	<i>Drosophila melanogaster</i>	
		Gene Name(s)	Protein Name(s)
Rhabdomeric	G alpha q	Galphaq	G protein alpha q subunit
	PLC	norpA	Phosphoinositide phospholipase C-beta
	PKC	inaC	Protein kinase C, eye isozyme (or Eye-PKC)
	INAD	inaD	Inactivation-no-after-potential D protein
	MYO3	ninaC	Neither inactivation nor afterpotential protein C
	Actin	Act5C	Actin-5C
	TRP C	trp	Transient receptor potential protein
		trpl	Transient-receptor-potential-like protein
	IP3R-A	Itpr	Inositol 1,4,5-trisphosphate receptor (or IP3R)
	CamKII	CaMKII	Calcium/calmodulin-dependent protein kinase
	DAGL	inaE	Inactivation no afterpotential E
	PPEF	rdgC	Serine/threonine-protein phosphatase rdgC (or Retinal degeneration C protein)

	Component (Gene Family)	<i>Homo sapiens</i>	
		Gene Name(s)	Protein Name(s)
Ciliary	G alpha i	GNAT1	G protein G(t) subunit alpha 1
		GNAT2	G protein G(t) subunit alpha 2
	PDE6 A/B/C	PDE6A	Rod cGMP-specific 3',5'-cyclic phosphodiesterase subunit alpha
		PDE6B	Rod cGMP-specific 3',5'-cyclic phosphodiesterase subunit beta
		PDE6C	Cone cGMP-specific 3',5'-cyclic phosphodiesterase subunit alpha'
	PDE6 G/H	PDE6G	Retinal rod rhodopsin-sensitive cGMP 3',5'-cyclic phosphodiesterase subunit gamma
		PDE6H	Retinal cone rhodopsin-sensitive cGMP 3',5'-cyclic phosphodiesterase subunit gamma
	GC2	GUCY2D	Retinal guanylyl cyclase 1 (or GC2D)
		GUCY2F	Retinal guanylyl cyclase 2 (or GC2F)
	GCAP	GUCA1A	Guanylyl cyclase-activating protein 1 (GCAP1)
		GUCA1B	Guanylyl cyclase-activating protein 2 (GCAP2)
		GUCA1C	Guanylyl cyclase-activating protein 3 (GCAP3)
	CNG	CNGA 1 to 4	cGMP-gated cation channel alpha 1 to 4
		CNGB 1 and 3	Cyclic nucleotide-gated cation channel beta 1 and 3
	NCKX	SLC24A 1, 2 and 4	Sodium/potassium/calcium exchanger 1, 2 and 4 (or NCKX1,2 and4)
	Recoverin	RCVRN	Recoverin
	RGS9	RGS9	Regulator of G-protein signaling 9
	RGS9BP	RGS9BP	Regulator of G-protein signaling 9-binding protein (RGS9BP or RGBP) or RGS9-anchoring protein (R9AP)
	GNB5	GNB5	G protein subunit beta 5