PEPSTATS of EMBOSS_001 from 1 to 204

Molecular weight = 23203.88 Residues = 204
Average Residue Weight = 113.744 Charge = 8.5
Isoelectric Point = 9.8315
A280 Molar Extinction Coefficients = 45950 (reduced) 46200 (cystine bridges)
A280 Extinction Coefficients 1mg/ml = 1.980 (reduced) 1.991 (cystine bridges)
Improbability of expression in inclusion bodies = 0.737

Residue	Number	Mole%	DayhoffStat
A = Ala	21	10.294	1.197
B = Asx	0	0.000	0.000
C = Cys	4	1.961	0.676
D = Asp	8	3.922	0.713
E = Glu	10	4.902	0.817
F = Phe	12	5.882	1.634
G = Gly	14	6.863	0.817
H = His	3	1.471	0.735
I = Ile	2	0.980	0.218
J = ---	0	0.000	0.000
K = Lys	4	1.961	0.297
L = Leu	30	14.706	1.987
M = Met	4	1.961	1.153
N = Asn	1	0.490	0.114
O = ---	0	0.000	0.000
P = Pro	13	6.373	1.225
Q = Gln	10	4.902	1.257
R = Arg	21	10.294	2.101
S = Ser	10	4.902	0.700
T = Thr	14	6.863	1.125
U = ---	0	0.000	0.000
V = Val	11	5.392	0.817
W = Trp	7	3.431	2.640
X = Xaa	0	0.000	0.000
Y = Tyr	5	2.451	0.721
Z = Glx	0	0.000	0.000

Property	Residues	Number	Mole%
Tiny	(A+C+G+S+T)	63	30.882
Small	(A+B+C+D+G+N+P+S+T+V)	96	47.059
Aliphatic	(A+I+L+V)	64	31.373
Aromatic	(F+H+W+Y)	27	13.235
Non-polar	(A+C+F+G+I+L+M+P+V+W+Y)	123	60.294
Polar	(D+E+H+K+N+Q+R+S+T+Z)	81	39.706
Charged	(B+D+E+H+K+R+Z)	46	22.549
Basic	(H+K+R)	28	13.725
Acidic	(B+D+E+Z)	18	8.824