

PROTEIN CALCULATOR v3.4

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2KOD

Accepted Sequence

MYSPTSILDI RQGPKEPFRD YVDRFYKTLR AEQASQEVKN WMTETLLVQN ANPDCKTILK 60
ALGPAATLEE MMTACQGVGG PGHKARVL 88

Isotopically Averaged Molecular Weight = 9946.4141

Extinction Coefficient

Extinction coefficient estimated by the method of Gill and von Hippel (*Analytical Biochemistry*, **182**: 319-326, 1989)

where lyophilized proteins were used to establish an absorbance curve based on the number of typtophans, tyrosines, and disulfide bonds. Units are in M⁻¹ cm⁻¹.

Wavelength	Molar Extinction w/o Disulfides	Molar Extinction w/ All Disulfides
278	9800	9927
279	9695	9815
280	9530	9650
282	9200	9300

Extinction Coefficient

Extinction coefficient estimated by the method of Gill and von Hippel (*Analytical Biochemistry*, **182**: 319-326, 1989)

where lyophilized proteins were used to establish an absorbance curve based on the number of typtophans, tyrosines, and disulfide bonds. Units are in (mg/mL)⁻¹ cm⁻¹.

Wavelength	Molar Extinction w/o Disulfides	Molar Extinction w/ All Disulfides
278	0.9853	0.9980
279	0.9747	0.9868
280	0.9581	0.9702
282	0.9250	0.9350

Last Updated: May 13, 2013