

HPCAL1, 1-193aa, Human, His tag, E.coli

Cat.NO.: TP02490

3th Edition

Synonyms:Hippocalcin-like 1, BDR1, HLP2, VILIP-3, Visinin-like protein 3

Description:HPCAL1, also known as VILIP-3, is a member of neuron-specific calcium-binding proteins family found in the retina and brain. It is highly similar to human hippocalcin protein and nearly identical to the rat and mouse hippocalcin like-1 proteins. It is involved in the calcium-dependent regulation of rhodopsin phosphorylation and may be of relevance for neuronal signalling in the central nervous system.

Form:Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl 1mM DTT, 10% glycerol

Molecular Weight:24.4 kDa (213aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGKQNSKLRPEVLQDLRENTFTDHELQEWYKGFLKDCPTGHILTVDEFKKIYAN
FFPYGDASKFAEHVFRTFTDNGDGTIDFREFIIALSVTSRGKLEQKLKWAFSMYDLDGNGYISRSEMLEIVQAIYKMV
SSVMKMPDESTPEKRTDKIFRQMDTNNDGKLSLEEFIRGAKSDPSIVRLLQCDPSSASQF

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.