

Recombinant Human Hippocalcin-like 1, His-tagged

Cat. No. HPCAL1-2816H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HPCAL1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. MW = 24.4 kDa (213aa), confirmed by MALDI-TOF.
Species	Human
Source	E.coli
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.
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MGKQNSKLRP EVLQDLRENT EFTDHELQEW YKGFLKDCPT GHITVDEFKK IYANFFPYGD ASKFAEHVFR TFDNNGDGTI DFREFIIALS VTSRGKLEQK LKWAFSMYDL DGNGYISRSE MLEIVQAIYK MVSSVMKMPE DESTPEKRTD KIFRQMDTNN DGKLSLEEFI RGAKSDPSIV RLLQCDPSSA SQF
Purity	> 95% by SDS – PAGE.
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl 1mM DTT, 10% glycerol.

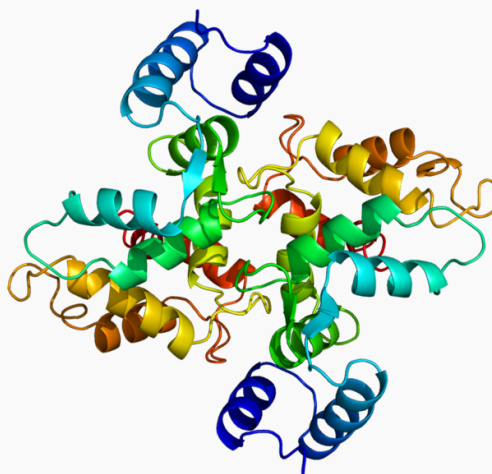
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Concentration	0.5 mg/ml (determined by Bradford assay).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
GENE INFORMATION	
Gene Name	HPCAL1 hippocalcin-like 1 [Homo sapiens]
Synonyms	HPCAL1; hippocalcin-like 1; BDR1; HLP2; VILIP-3; HPCAL1; hippocalcin-like protein 1; visinin-like protein 3; calcium-binding protein BDR-1
Gene ID	3241
mRNA Refseq	NM_002149
Protein Refseq	NP_002140
MIM	600207
UniProt ID	P37235
Chromosome Location	2p25.1
Function	calcium ion binding

PDB rendering based
on 1bjf.



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