Recombinant Human Hippocalcin-like protein 1 (HPCAL1)

Product Code	CSB-EP010695HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P37235
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	GKQNSKLRP EVLQDLRENT EFTDHELQEW YKGFLKDCPT GHLTVDEFKK IYANFFPYGD ASKFAEHVFR TFDTNGDGTI DFREFIIALS VTSRGKLEQK LKWAFSMYDL DGNGYISRSE MLEIVQAIYK MVSSVMKMPE DESTPEKRTD KIFRQMDTNN DGKLSLEEFI RGAKSDPSIV RLLQCDPSSA SQF
Source	E.coli
Target Names	HPCAL1
Protein Names	Recommended name: Hippocalcin-like protein 1 Alternative name(s): Calcium-binding protein BDR-1 HLP2 Visinin-like protein 3 Short name= VILIP-3
Expression Region	2-193
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein 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 may be involved in the calcium-dependent regulation of rhodopsin phosphorylation and may be of relevance for neuronal signalling in the central nervous system. There are two alternatively spliced transcript variants of this gene, with multiple polyadenylation sites.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.