

## 32-3992: HPCAL1 Recombinant Protein

**Alternative Name :** Hippocalcin-Like 1,HLP2,BDR1,Calcium-Binding protein BDR-1,Visinin-Like protein 3,VILIP-3

### Description

Source : Escherichia Coli. HPCAL1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 213amino acids (1-193a.a.) and having a molecular weight of 24.4kDa. The HPCAL1 is fused to 20a.a. His-Tag at N-terminus and purified by proprietary chromatographic techniques. HPCAL1, participates in neuron-specific calcium-binding proteins family found in the retina and brain. HPCAL1 is extremely comparable to human hippocalcin protein and almost equal to the rat and mouse hippocalcin like-1 proteins. HPCAL1 takes part in the calcium-dependent regulation of rhodopsin phosphorylation and can have importance in neuronal signalling in the central nervous system.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 95.0% as determined by SDS-PAGE.
<b>Content :</b>	The HPCAL1 protein solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH8.0) containing 1mM DTT 0.2M NaCl and 10% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MGKQNSKLRP EVLQDLRENT EFTDHELQEW YKGFLKDCPT GHILTVEFKK IYANFFPYGD ASKFAEHVFR TFDTNGDGTI DFREFIIALS VTSRGKLEQK LKWAFSMYDL DGNQYISRSE MLEIVQAIYK MVSSVMKMPE DESTPEKRTD KIFRQMDTNN DGKLSLEEFI RGAKSDPSIV RLLQCDPSSA SQF