

## Product datasheet for **AR09654PU-L**

### Hippocalcin-like protein 1 (HPCAL1) (1-193, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Hippocalcin-like protein 1 (HPCAL1) (1-193, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MGKQNSKLRP EVLQDLRENT EFTDHELQEW YKGFLKDCPT GHILTVEFKK IYANFFPYGD ASKFAEHVFR TFDTNGDGTI DFREFIIALS VTSRGKLEQK LKWAFSMYDL DGNGYISRSE MLEIVQAIYK MVSSVMKMPE DESTPEKRTD KIFRQMDTNN DGKLSLEEFI RGAKSDPSIV RLLQCDPSSA SQF
Tag:	His-tag
Predicted MW:	24.4 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 1 mM DTT, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human HPCAL1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001245286</u>
Locus ID:	3241
UniProt ID:	<u>P37235, Q6FGY1, O75544</u>
Cytogenetics:	2p25.1
Synonyms:	BDR1; HLP2; VILIP-3



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**Summary:**

The protein encoded by this gene 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. Several alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Apr 2012]

**Product images:**