

HPCAL1 recombinant protein

HPCAL1, 1-193aa, Human, His tag, E Coli

CATALOG # AAA48590	HOST E Coli	APPLICATIONS SDS-Page
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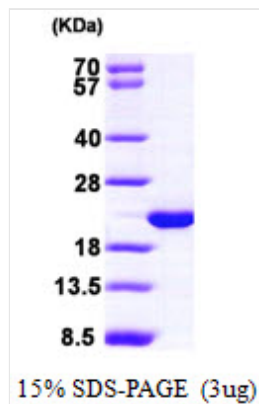
PRODUCT SYNONYMS

HPCAL1; 1-193aa; Human; His tag; E Coli; Hippocalcin-like 1; BDR1; Calcium-binding protein BDR-1; Hippocalcin-like protein 1; HLP2; VILIP-3; visinin-like protein 3; VILIP3; HPCAL1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 0.2M NaCl, 1mM DTT, 10% glycerol
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence Positions	1-193aa
Sequence	MGSSHHHHH SSGLVPRGSH MGKQNSKLRP EVLQDLRENT EFTDHELQEW YKGFLKDCPT GH LTVDEFKK IYANFFPYGD ASKFAEHVFR TFD TNGDGTI DFREFIIALS VTSRGKLEQK LKWAFSMYDL DGNGYISRSE MLEIVQAIYK MVSSVMKMPE DESTPEKRTD KIFRQMDTNN DGKLSLEEFI RGA KSDPSIV RLLQCDPSSA SQF
Sequence Length	193
Applicable Applications for HPCAL1 recombinant protein	SDS-PAGE
Tag Information	His-tag
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for HPCAL1 recombinant protein	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. Recombinant human HPCAL1 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for HPCAL1 recombinant protein	Neuroscience
References	Fu J., et al. (2009) J Biol Chem. 284 (40):27577-86.; Spilker C., et al. (2003) Mol Cell Neurosci. 24 (3):766-78.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	19913441
NCBI GeneID	3241
NCBI Accession #	NP_002140
NCBI GenBank Nucleotide #	NM_002149.3
UniProt Accession #	P37235; Q969S5
Molecular Weight	24.4 kDa (213aa), confirmed by MALDI-TOF
NCBI Official Full Name	hippocalcin-like protein 1
NCBI Official Synonym Full Names	hippocalcin like 1
NCBI Official Symbol	HPCAL1
NCBI Official Synonym Symbols	BDR1; HLP2; VILIP-3
NCBI Protein Information	hippocalcin-like protein 1
UniProt Protein Name	Hippocalcin-like protein 1
UniProt Gene Name	HPCAL1
UniProt Synonym Gene Names	BDR1; VILIP-3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/hpcal1-recombinant-protein-e-coli-sds-page/48590>