

Recombinant Human HPCAL1, His-tagged

Cat. No. HPCAL1-30156TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human VILIP3 with an N terminal His tag; 213 amino acids with a predicted MWt 24.4kDa including tag.
Species	Human
Source	E.coli
ProteinLength	193 amino acids
Description	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. There are two alternatively spliced transcript variants of this gene, with multiple polyadenylation sites.
Conjugation	HIS
Molecular Weight	24.400kDa inclusive of tags
Form	Liquid
Purity	>95% by SDS-PAGE

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Storage buffer	Preservative: None Constituents: 10% Glycerol, 0.2M Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMGKQNSKLRPEVLQDLRENTFTDHELQEWYKGF LKDCPTGHLTVDEFKKIYANFFPYGDASKFAEHVFRFTDNGDGTIDFREFIIALSVTS RGKLEQKLKWAFSMYDLGNGYISRSEMLEIVQAIYKMVSSVMKMPDESTPEKRT DKIFRQMDTNNNDGKLSLEEFIRGAKSDPSIVRLLQCDPSSASQF

GENE INFORMATION

Gene Name	HPCAL1 hippocalcin-like 1 [Homo sapiens]
Official Symbol	HPCAL1
Synonyms	HPCAL1; hippocalcin-like 1; hippocalcin-like protein 1; BDR1; calcium binding protein BDR 1; HLP2; VILIP 3; visinin like protein 3;
Gene ID	3241
mRNA Refseq	NM_002149
Protein Refseq	NP_002140
MIM	600207
Uniprot ID	P37235
Chromosome	2p25.1

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Location

Function

calcium ion binding;

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