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Datasheet for ABIN7318585 HPCAL1 Protein (His tag)

Overview

Quantity:	50 µg
Target:	HPCAL1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HPCAL1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human HPCAL1 Protein (His Tag)
Sequence:	Met 1-Phe193
Characteristics:	Recombinant Human Hippocalcin-Like Protein 1 is produced by our E.coli expression system and the target gene encoding Met1-Phe193 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	HPCAL1
Alternative Name:	HPCAL1 (HPCAL1 Products)
Background:	Background: Hippocalcin-Like Protein 1 (HPCAL1) is a neuron-specific calcium-binding member of the recoverin family which found in the retina and brain. HPCAL1 contains four EF-hand domains and it is highly similar to human hippocalcin protein. HPCAL1 is involved in the

Target Details

calcium-dependent regulation of rhodopsin phosphorylation. In addition, it may be of relevance for neuronal signalling in the central nervous system.

Synonym: Hippocalcin-Like Protein 1, Calcium-Binding Protein BDR-1, HLP2, Visinin-Like Protein 3, VILIP-3, HPCAL1, BDR1

Molecular Weight: 24.5 kDa

UniProt: [P37235](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 200 mM NaCl, 1 mM DTT, 10 % Glycerol, pH 8.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.