

Recombinant Human HPCAL4 protein, His & T7-tagged

Cat. No. HPCAL4-1741H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HPCAL4 aa. (Gly2~Lys191 (Accession # Q9UM19)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gly2~Lys191 (Accession # Q9UM19)
Description	The protein encoded by this gene is highly similar to human hippocalcin protein and hippocalcin like-1 protein. It also has similarity to rat neural visinin-like Ca ²⁺ -binding protein-type 1 and 2 proteins. This encoded protein may be involved in the calcium-dependent regulation of rhodopsin phosphorylation. The transcript of this gene has multiple polyadenylation sites. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 25.8kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
Isoelectric Point	4.8

GENE INFORMATION

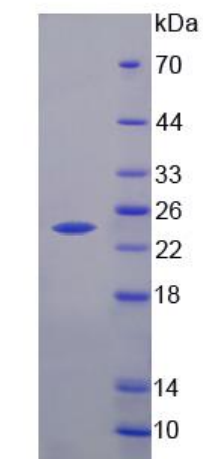
Gene Name	HPCAL4 hippocalcin like 4 [Homo sapiens (human)]
Official Symbol	HPCAL4
Synonyms	HPCAL4; hippocalcin like 4; HLP4; hippocalcin-like protein 4
Gene ID	51440
mRNA Refseq	NM_001282396.1
Protein Refseq	NP_001269325.1
UniProt ID	Q9UM19

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SDS-PAGE



15% SDS-PAGE

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