

Recombinant Human HPCA protein, His & T7-tagged

Cat. No. HPCA-1742H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HPCA aa. (Gly2~Phe193 (Accession # P84074)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gly2~Phe193 (Accession # P84074)
Description	The protein encoded by this gene is a member of neuron-specific calcium-binding proteins family found in the retina and brain. This protein is associated with the plasma membrane. It has similarities to proteins located in the photoreceptor cells that regulate photosignal transduction in a calcium-sensitive manner. This protein displays recoverin activity and a calcium-dependent inhibition of rhodopsin kinase. It is identical to the rat and mouse hippocalcin proteins and thought to play an important role in neurons of the central nervous system in a number of species.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.0kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Applications	SDS-PAGE; WB; ELISA; IP.
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	4.9
GENE INFORMATION	
Gene Name	HPCA hippocalcin [Homo sapiens (human)]
Official Symbol	HPCA
Synonyms	HPCA; hippocalcin; BDR2; DYT2; neuron-specific calcium-binding protein hippocalcin; calcium-binding protein BDR-2
Gene ID	3208
mRNA Refseq	NM_002143.2
Protein Refseq	NP_002134.2

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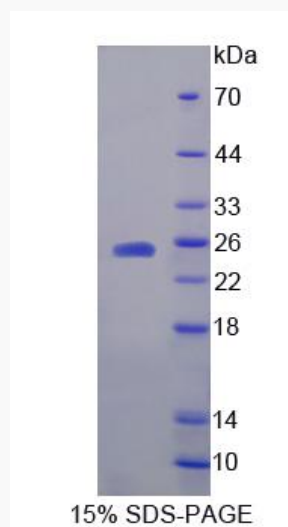
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UniProt ID

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SDS-PAGE

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