

## Recombinant Human HPCAL1 Protein (His Tag)

**Catalog No.** PKSH032547

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

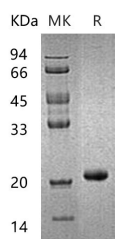
### Description

<b>Synonyms</b>	Hippocalcin-Like Protein 1;Calcium-Binding Protein BDR-1;HLP2;Visinin-Like Protein 3;VILIP-3;HPCAL1;BDR1
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Met 1-Phe193
<b>Accession</b>	P37235
<b>Calculated Molecular Weight</b>	24.5 kDa
<b>Observed molecular weight</b>	21 kDa
<b>Tag</b>	N-His
<b>Bioactivity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 200mM NaCl, 1mM DTT, 10% Glycerol, pH 8.0.
<b>Reconstitution</b>	Not Applicable

### Data



> 95 % as determined by reducing SDS-PAGE.

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

### For Research Use Only