



Recombinant Protein Technical Manual

Recombinant Human HPCAL1 Protein (His Tag)

RPES0787

Product Data:

Product SKU: RPES0787

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P37235

Protein Information:

Molecular Mass: 24.5 kDa

AP Molecular Mass: 21 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

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

Shipping: 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.

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

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Hippocalcin-Like Protein 1; Calcium-Binding Protein BDR; HLP2; Visinin-Like Protein 3; VILIP-3; HPCAL1; BDR1

Immunogen Information:

Sequence: Met 1-Phe193

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.