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# HPCAL1 Human

*Hippocalcin-Like 1 Human Recombinant*
*RCP1052*

## Product Overview

| | |
|---|---|
| Name | HPCAL1 Human |
| **Description** | |
| Hippocalcin-Like 1 Human Recombinant | |
| Accession (Primary) | P37235 |
| **Synonyms** | |
| Hippocalcin-Like 1, HLP2, BDR1, Calcium-Binding protein BDR-1, Visinin-Like protein 3, VILIP-3 | |
| **Introduction** | |
| HPCAL1, participates in neuron-specific calcium-binding proteins family found in the retina and brain. HPCAL1 is extremely comparable to human hippocalcin protein and almost equal to the rat and mouse hippocalcin like-1 proteins. HPCAL1 takes part in the calcium-dependent regulation of rhodopsin phosphorylation and can have importance in neuronal signalling in the central nervous system. | |
| **Source** | |
| Escherichia Coli. | |
| **Physical Appearance** | |
| Sterile filtered colorless solution. | |
| **Formulation** | |
| The HPCAL1 protein solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH8.0) containing 1mM DTT 0.2M NaCl and 10% glycerol. | |
| **Stability** | |
| Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles. | |
| **Purity** | |
| Greater than 95.0% as determined by SDS-PAGE. | |
| **Amino acid sequence** | |
| MGSSHHHHHH SSGLVPRGSH MGKQNSKLRP EVLQDLRENT EFTDHELQEW YKGFLKDCPT GHLTVDEFKK IYANFFPYGD ASKFAEHVFR TFDTNGDGTI DFREFIIALS VTSRGKLEQK LKWAFSMYDL DGNGYISRSE MLEIVQAIYK MVSSVMKMPE DESTPEKRTD KIFRQMDTNN DGKLSLEEFI RGAKSDPSIV RLLQCDPSSA SQF | |
| **Precautions** | |

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HPCAL1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( P37235 )