Recombinant Full Length Human DLGAP4 Protein, GST-tagged

Cat. No. DLGAP4-3989HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DLGAP4 full-length ORF (NP_892118.1, 1 a.a. - 453 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	453 amino acids
Description	The product of this gene is a membrane-associated guanylate kinase found at the postsynaptic density in neuronal cells. It is a signaling molecule that can interact with potassium channels and receptors, as well as other signaling molecules. The protein encoded by this gene can interact with PSD-95 through its guanylate kinase domain and may be involved in clustering PSD-95 in the postsynaptic density region. The encoded protein is one of at least four similar proteins that have been found. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Molecular Mass	75.90 kDa
AA Sequence	MALCLELLKQCSSCLVAYKKTPPPVPPRTTSKPFISVTVQSSTESAQDTYLDSQDHK SEVTSQSGLSNSSDSLDSSTRPPSVTRGGVAPAPEAPEPPPKHAALKSEQGTLTSS ESHPEAAPKRKLSSIGIQVDCIQPVPKEEPSPATKFQSIGVQVEDDWRSSVPSHSMS SRRDTDSDTQDANDSSCKSSERSLPDCTPHPNSISIDAGPRQAPKIAQIKRNLSYGD NSDPALEASSLPPPDPWLETSSSSPAEPAQPGACRRDGYWFLKLLQAETERLEGW

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	CCQMDKETKENNLSEEVLGKVLSAVGSAQLLMSQKFQQFRGLCEQNLNPDANPRP TAQDLAGFWDLLQLSIEDISMKFDELYHLKANSWQLVETPEKRKEEKKPPPPVPKKP AKSKPAVSRDKASDASDKQRQEARKRLLAAKRAASVRQNSATESADSIEIYVPEAQT RL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	DLGAP4 discs, large (Drosophila) homolog-associated protein 4 [Homo sapiens]
Official Symbol	DLGAP4
Synonyms	DLGAP4; discs, large (Drosophila) homolog-associated protein 4; disks large-associated protein 4; DAP4; KIAA0964; SAPAP4; DAP-4; SAPAP-4; PSD-95/SAP90-binding protein 4; disks large associated protein 4; SAP90/PSD-95-associated protein 4; DLP4; RP5-977B1.6; FLJ20588; MGC131862;
Gene ID	22839
mRNA Refseq	NM_001042486

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Protein Refseq	NP_001035951
MIM	616191
UniProt ID	Q9Y2H0

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