

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	MALCLELLKQCSSCLVAYKKTTPPPVPPRTTSKPFISVTVQSSTESAQDTYLDSDHK SEVTSQSGLSNSSDSLDSSTRPPSVTRGGVAPAPEAPEPPPKHAALKSEQGTLTSS ESHPEAAPKRKLSSIGIQVDCIQVPKKEEPPATKFKSIGVQVEDDWRSSVPSHMS SRRDTSDDTDANDSSCKSSERSLPDCTPHPNISIDAGPRQAPKIAQIKRNLSYGD NSDPALEASSLPPDPWLETSSSSPAEPAQPGACRRDGYWFLKLLQAETERLEGW

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CCQMDKETKENNLSEEVLGKVL SAVGSAQLLMSQKFQQFRGLCEQNLNPDANPRP
TAQDLAGFWDLLQLSIEDISMKFDELYHLKANSWQLVETPEKRKEEKKPPPPVPKKP
AKSKPAVSRDKASDASDKQRQEARKRLA AKRAASVRQNSATESADSIEIYVPEAQT
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
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MIM	616191
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UniProt ID	Q9Y2H0
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