

Recombinant Human DLGAP4, His-tagged

Cat. No. DLGAP4-26163TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 9-453 of Human DLGAP4 isoform 3 with N terminal His tag; 445 amino acids, 60kDa.
Species	Human
Source	E.coli
ProteinLength	9-453 a.a.
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.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 152 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	KQCSSCLVAYKKTTPPPVPPRTTSKPFISVTVQSSTESAQD TYLDSQDHKSEVTSQS GLSNSSDSLDSSTRPPSVTRGG VAPAPEAPEPPPKHAALKSEQGTLTSSESHPEAA PKRK LSSIGIQVDCIQPVPKEEPSPATKFQSIGVQVEDDWRSSV PSHSMSSRRDTD SDTQDANDSSCKSSERSLPDCTPHPN SISIDAGPRQAPKIAQIKRNLSYGDNSDPAL EASSLPP PDPWLETSSSSPAEPAQPGACRRDGYWFLKLLQAETER LEGWCCQMD KETKENNLSEEVLGKVL SAVGSAQLLMSQKF QQFRGLCEQNLNPDANPRPTAQDL AGFWDLLQLSIEDI SMKFDELYHLKANSWQLVETPEKRKEEKPPPPVPKKP AKSK PAVSRDKASDASDKQRQEARKRLLAAKRAASVRQNSATESADSIEIYVPEAQTRL
Sequence Similarities	Belongs to the SAPAP family.
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;
Gene ID	22839
mRNA Refseq	NM_014902
Protein Refseq	NP_055717
Uniprot ID	Q9Y2H0

Chromosome Location	20q11.23
Function	protein binding;