

Datasheet for ABIN7553712
DLG2 Protein (AA 1-870) (His tag)



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Overview

Quantity:	1 mg
Target:	DLG2
Protein Characteristics:	AA 1-870
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DLG2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant DLG2 Protein expressed in mammalian cells.
Sequence:	<p>MFFACYCALR TNVKKYRYQD EDAPHDHSLP RLTHEVRGPE LVHVSEKNLS QIENVHGYVL</p> <p>QSHISPLKAS PAPIIVNTDT LDTIPYVNGT EIEYEFEEIT LERGNISGLGF SIAGGTDNPH IGDDPGIFIT</p> <p>KIIPGGAAAE DGRLRVNDCI LRVNEVDVSE VSHSKAVEAL KEAGSIVRLY VRRRRPILET</p> <p>VVEIKLFKGP KGLGFSIAGG VGNQHIPGDN SIYVTKIIDG GAAQKDGRQLQ VGDRLLMVNN</p> <p>YSLEEVTHEE AVAILKNTSE VVYLKVGKPT TIYMTDPYGP PDITHSYSP MENHLLSGNN</p> <p>GTLEYKTSPL PISPGRYSPI PKHMLVDDDDY TRPPEPVYST VNKLCDKPAS PRHYSPVECD</p> <p>KSFLLSAPYS HYHLGLLPDS EMTSHSQHST ATRQPSMTLQ RAVSLEGEPR KVVHLHGSGTG</p> <p>LGFNIVGGED GEGIFVSFIL AGGPADLSGE LQRGDQILSV NGIDLRGASH EQAAAALKGA</p> <p>GQTVTIIAQY QPEDYARFEA KIHDLREQMM NHSMSSSGSGS LRTNQKRSLY VRAMFDYDKS</p> <p>KDSGLPSQGL SFKYGDILHV INASDDEWWQ ARVMLEGDSE EEMGVIPSKR RVERKERARL</p> <p>KTVKFNAKPG VIDSKGSFND KRKKSIFFSR KFPFYKNKEQ SEQETSDPER GQEDLILSYE</p> <p>PVTRQEINYT RPVIILGPMK DRINDDLISE FPDKFGSCVP HTRPKRDYE VDGRDYHFVI</p>

Product Details

SREQMEKDIQ EHKFIEAGQY NDNLYGTSVQ SVRFVAERGK HCILDVSGNA IKRLQVAQLY
PIAIFIKPRS LEPLMEMNKR LTEEQAKKTY DRAIKLEQEF GEYFTAIVQG DTLEDIYNQC
KLVIEEQSGP FIWIPSKEKL **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: DLG2

Alternative Name: DLG2 ([DLG2 Products](#))

Background: Disks large homolog 2 (Channel-associated protein of synapse-110) (Chapsyn-110) (Postsynaptic density protein PSD-93),FUNCTION: Required for perception of chronic pain through NMDA receptor signaling. Regulates surface expression of NMDA receptors in dorsal horn neurons of the spinal cord. Interacts with the cytoplasmic tail of NMDA receptor subunits as well as inward rectifying potassium channels. Involved in regulation of synaptic stability at cholinergic synapses. Part of the postsynaptic protein scaffold of excitatory synapses (By

Target Details

	similarity). {ECO:0000250}.
Molecular Weight:	97.6 kDa
UniProt:	Q15700

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months