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Datasheet for ABIN7564813
DLG2 Protein (AA 1-852) (His tag)

Overview

| | |
|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | DLG2 |
| Protein Characteristics: | AA 1-852 |
| Origin: | Mouse |
| 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: | MFFACYCALR TNVKKYRYQD EDGPHDHSLP RLTHEVRGPE LVHVSEKNLS QIENVHGYVL QSHISPLKAS PAPIIVNTDT LDTIPYVNGT EIEYEFEEIT LERGNISGLGF SIAGGTDNPH IGDDPGIFIT KIIPGGAAAE DGRLRVNDCI LRVNEVDVSE VSHSKAVEAL KEAGSIVRLY VRRRRPILET VVEIKLFGKP KGLGFSIAGG VGNQHIPGDN SIYVTKIIDG GAAQKDGRLQ VGDRLLMVNN YSLEEVTHEE AVAILKNTSD VVYLKVGKPT TIYMTDPYGP PDITHSYSP MENHLLSGNN GTLEYKTSPL PISPGRYSPI PKHMLGEDDY TRPPEPVYST VNKLCDKPAS PRHYPVECD KSFLSTPYP HYHLGLLPDS DMTSHSQHST ATRQPSVTLQ RAISLEGEPR KVVHLKGGSTG LGFNIVGGED GEGIFVSFIL AGGPADLSGE LQRGDQILSV NGIDLRGASH EQAAAALKGA GQTVTIIAQY QPEDYARFEA KIHDLREQMM NISMSSGSGS LRTNQKRSLY VRAMFDYDKS KDSGLPSQGL SFKYGDILHV INASDDEWWQ ARRVTLDGDS EEMGVIPSKR RVERKERARL KTVKFNAPG VIDSKGDIPG LGDDGYGTKT LRGQEDLILS YEPVTRQEIN YTRPVIIIGP MKDRINDDLI SEFPDKFGSC VPHTTRPKRD YEVDGRDYHF VISREQMEKD IQEHKFIEAG |

Product Details

QYNDNLYGTS VQSVRFVAER GKHCLDVSG NAIKRLQVAQ LYPIAIFIKP KSLEPLMEMN
KRLTEEQAKK TYDRAIKLEQ EFGYFTAIV QGDTLEDIYN QCKLVIEEQS GPFIWIPSKE KL

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.

Target Details

{ECO:0000269|PubMed:12890763}.

Molecular Weight: 94.9 kDa

UniProt: [Q91XM9](#)

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