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Datasheet for ABIN7562638

Stargazin Protein (AA 1-323) (His tag)

Overview

Quantity:	1 mg
Target:	Stargazin (CACNG2)
Protein Characteristics:	AA 1-323
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Stargazin protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Cacng2 Protein expressed in mammalien cells.
Sequence:	MGLFDRGVQM LLTTVGAF AA FSLMTI AVGT DYWL YSRGVC KTKSVSENET SKKNEEVMTH SGLWRTCCLE GNFKGLCKQI DHFPEDADYE ADTAEYFLRA VRASSIFPIL SVILLFMGGL CIAASEFYKT RHNIILSAGI FFVSAGLSNI IGIIVYISAN AGDPSKSDSK KNSYSYGWSF YFGALSFIIA EMVGV LAVHM FIDRHKQLRA TARATDYLQA SAITRIPSYR YRYQRRSRSS SRSTEP SHSR DASPVGVKGF NTL PSTEISM YTL SRDPLKA ATTPTATYNS DRDNSFLQVH NCIQKDSKDS LHANTANRRT TPV 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.

Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.
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Product Details

- 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, Western Blot

Grade: custom-made

Target Details

Target: Stargazin (CACNG2)

Alternative Name: Cacng2 ([CACNG2 Products](#))

Background: Voltage-dependent calcium channel gamma-2 subunit (Neuronal voltage-gated calcium channel gamma-2 subunit) (Stargazin) (Transmembrane AMPAR regulatory protein gamma-2) (TARP gamma-2),FUNCTION: Regulates the trafficking and gating properties of AMPA-selective glutamate receptors (AMPA receptors). Promotes their targeting to the cell membrane and synapses and modulates their gating properties by slowing their rates of activation, deactivation and desensitization. Does not show subunit-specific AMPA receptor regulation and regulates all AMPAR subunits. Thought to stabilize the calcium channel in an inactivated (closed) state (By similarity). {ECO:0000250|UniProtKB:Q71RJ2, ECO:0000250|UniProtKB:Q9Y698}.

Molecular Weight: 35.9 kDa

UniProt: [O88602](#)

Pathways: [Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies

Application Details

as well. 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
