

Datasheet for ABIN7555958

VANGL2 Protein (AA 1-521) (His tag)



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Overview

Quantity:	1 mg
Target:	VANGL2
Protein Characteristics:	AA 1-521
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VANGL2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat VANGL2 Protein expressed in mammalian cells.
Sequence:	<p>MDTESQYSGY SYKSGHSRSS RKHRDRRDRH RSKSRDGGRG DKSVTIQAPG EPLLDNESTR GDERDDNWGE TTTVVTGTSE HSISHDDLTR IAKDMEDSVP LDCSRHLGVA AGATLALLSF LTPLAFLLLP PLLWREELEP CGTACEGLFI SVAFKLLILL LGSWALFFRR PKASLPRVFV LRALLMVLVF LLVVSYWLFY GVRILDARER SYQGVVQFAV SLVDALLFVH YLAVVLELR QLQPQFTLKV VRSTDGASRF YNVGHLSIQR VAVWILEKYY HDFPVYNPAL LNLPKSVLAK KVSGFKVYSL GEENSTNNST GQSRVIAAAA ARRRDNSHNE YYYEEAEHER RVRKRRLRV VAVEEAFTHI KRLQEEQKN PREVMDPREA AQAIFASMAR AMQKYLRRTK QQPYHTMESI LQHLEFCITH DMTPKAFLER YLAAGPTIQY HKERWLAKQW TLVSEEPVTN GLKDGIVFLL KRQDFSLVVS TKKVPFFKLS EEVDPKSHK FVMRLQSETS V</p> <p>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</p>

request, please contact us.

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, Western Blot

Grade:

custom-made

Target Details

Target:

VANGL2

Alternative Name:

VANGL2 ([VANGL2 Products](#))

Background:

Vang-like protein 2 (Loop-tail protein 1 homolog) (Strabismus 1) (Van Gogh-like protein 2), FUNCTION: Involved in the control of early morphogenesis and patterning of both axial midline structures and the development of neural plate. Plays a role in the regulation of planar cell polarity, particularly in the orientation of stereociliary bundles in the cochlea. Required for polarization and movement of myocardializing cells in the outflow tract and seems to act via RHOA signaling to regulate this process. Required for cell surface localization of FZD3 and FZD6 in the inner ear (By similarity). {ECO:0000250|UniProtKB:Q91ZD4}.

Molecular Weight:

59.7 kDa

UniProt:

[Q9ULK5](#)

Pathways:

[WNT Signaling](#), [Stem Cell Maintenance](#), [Tube Formation](#), [Asymmetric Protein Localization](#)

Application Details

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