Datasheet for ABIN3108553

TMEM131L Protein (AA 41-1609) (rho-1D4 tag)

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Overview

Quantity:	1 mg
Target:	TMEM131L
Protein Characteristics:	AA 41-1609
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TMEM131L protein is labelled with rho-1D4 tag.
Application:	Crystallization (Crys), ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Sequence:	QAIEPLPNVV ELWQAEEGEL LLPTQGDSEE GLEEPSQEQS FSDKLFSGKG LHFQPSVLDF GIQFLGHPVA KILHAYNPSR DSEVVVNSVF AAAGHFHVPP VPCRVIPAMG KTSFRIIFLP TEEGSIESSL FINTSSYGVL SYHVSGIGTR RISTEGSAKQ LPNAYFLLPK VQSIQLSQMQ AETTNTSLLQ VQLECSLHNK VCQQLKGCYL ESDDVLRLQM SIMVTMENFS KEFEENTQHL LDHLSIVYVA TDESETSDDS AVNMYILHSG NSLIWIQDIR HFSQRDALSL QFEPVLLPTS TTNFTKIASF TCKATSCDSG IIEDVKKTTH TPTLKACLFS SVAQGYFRMD SSATQFHIET HENTSGLWSI WYRNHFDRSV VLNDVFLSKE TKHMLKILNF TGPLFLPPGC WNIFSLKLAV KDIAINLFTN VFLTTNIGAI FAIPLQIYSA PTKEGSLGFE VIAHCGMHYF MGKSKAGNPN WNGSLSLDQS TWNVDSELAN KLYERWKKYK NGDVCKRNVL GTTRFAHLKK SKESESFVFF LPRLIAEPGL MLNFSATALR SRMIKYFVVQ NPSSWPVSLQ LLPLSLYPKP EALVHLLHRW FGTDMQMINF TTGEFQLTEA CPYLGTHSEE SRFGILHLHL QPLEMKRVGV VFTPADYGKV TSLILIRNNL TVIDMIGVEG FGARELLKVG GRLPGAGGSL RFKVPESTLM DCRRQLKDSK

QILSITKNFK VENIGPLPIT VSSLKINGYN CQGYGFEVLD CHQFSLDPNT SRDISIVFTP DFTSSWVIRD LSLVTAADLE FRFTLNVTLP HHLLPLCADV VPGPSWEESF WRLTVFFVSL SLLGVILIAF QQAQYILMEF MKTRQRQNAS SSSQQNNGPM DVISPHSYKS NCKNFLDTYG PSDKGRGKNC LPVNTPQSRI QNAAKRSPAT YGHSQKKHKC SVYYSKHKTS TAAASSTSTT TEEKQTSPLG SSLPAAKEDI CTDAMRENWI SLRYASGINV NLQKNLTLPK NLLNKEENTL KNTIVFSNPS SECSMKEGIQ TCMFPKETDI KTSENTAEFK ERELCPLKTS KKLPENHLPR NSPQYHQPDL PEISRKNNGN NQQVPVKNEV DHCENLKKVD TKPSSEKKIH KTSREDMFSE KQDIPFVEQE DPYRKKKLQE KREGNLQNLN WSKSRTCRKN KKRGVAPVSR PPEQSDLKLV CSDFERSELS SDINVRSWCI QESTREVCKA DAEIASSLPA AQREAEGYYQ KPEKKCVDKF CSDSSSDCGS SSGSVRASRG SWGSWSSTSS SDGDKKPMVD AQHFLPAGDS VSQNDFPSEA PISLNLSHNI CNPMTVNSLP QYAEPSCPSL PAGPTGVEED KGLYSPGDLW PTPPVCVTSS LNCTLENGVP CVIQESAPVH NSFIDWSATC EGQFSSAYCP LELNDYNAFP EENMNYANGF PCPADVQTDF IDHNSQSTWN TPPNMPAAWG HASFISSPPY LTSTRSLSPM SGLFGSIWAP QSDVYENCCP INPTTEHSTH MENQAVVCKE YYPGFNPFRA YMNLDIWTTT ANRNANFPLS RDSSYCGNV

Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Human KIAA0922 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- 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 will ensure that you receive a correctly folded protein.

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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receival of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm. The protein's absorbance will be measured in several dilutions and is measured against its

Product Details

	specific reference buffer. The concentration of the protein is calculated using its specific absorption coefficient. We use the Expasy's protparam tool to determine the absorption coefficient of each protein.
Purification:	Three step purification of membrane proteins expressed in baculovirus infected SF9 insect cells: 1. Membrane proteins are fractioned by ultracentrifugation and subsequently solubilized with different detergents (detergent screen). Samples are analyzed by Western blot. 2. The best performing detergent is used for solubilization and the proteins are purified via their rho1D4 tag via two rho1D4 antibody columns: one DTT resistant, the other one not. Eluate fractions are analyzed by Western blot. 3. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatograph. Eluate fractions are analyzed by SDS-PAGE and Western blot.
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin-free.
Grade:	Crystallography grade

Target Details

Target:	TMEM131L
Alternative Name:	KIAA0922 (TMEM131L Products)
Background:	Isoform 1: Membrane-associated form that antagonizes canonical Wnt signaling by triggering lysosome-dependent degradation of Wnt-activated LRP6. Regulates thymocyte proliferation. {ECO:0000269|PubMed:23690469}.
Molecular Weight:	176.4 kDa Including tag.
UniProt:	A2VDJ0

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 gurantee though.
Comment:	In cases in which it is highly likely that the recombinant protein with the default tag will be

Application Details

	insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value 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:	Unlimited (if stored properly)

