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Datasheet for ABIN7550659

Pannexin 2 Protein (PANX2) (AA 1-677) (His tag)

Overview

Quantity:	1 mg
Target:	Pannexin 2 (PANX2)
Protein Characteristics:	AA 1-677
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Pannexin 2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat PANX2 Protein expressed in mammalian cells.
Sequence:	MHHLLLEQSAD MATALLAGEK LRELILPGAQ DDKAGALAAL LLQLKLELPF DRVVTIGTVL VPILLVTLVF TKNFAEEPIY CYTPHNFTRD QALYARGYCW TELRDALPGV DASLWPSLFE HKFLPYALLA FAAIMYVPAL GWEFLASTRL TSELNPLLQE IDNCYHRAAE GRAPKIEKQI QSKGPGITER EKREIENAE KEKSPEQNL F EKYLERRRGRS NFLAKLYLAR HVLILLLSAV PISYLCTYYA TQKQNEFTCA LGASPDGAAG AGPAVRVSCK LPSVQLQR II AGVDIVLLCV MNLILVNLI HLFIFRKS NF IFDKLHKVGI KTRRQWRRSQ FCDINILAMF CNENRDHIKS LNRLDFITNE SDLMYDNVVR QLLAALAQSN HDATPTVRDS GVQTVDP SAN PAEPDGAEEP PVVKRPRKKM KWIPTSNPLP QPFKEPLAIM RVENSKAEKP KPARRKTATD TLIAPLLDRS AHHYKGGGGD PGPGPAPAPA PPPAPDKKHA RHFSLDVHPY ILGTTKAKAE AVPAALPASR SQEGGFLSQA EDCGLGLAPA PIKDAPLPEK EIPYPTEPAR AGLPSGGPFH VRSPPAAPAV APLTPASLGK AEPLTILSRN ATHPLLHINT LYEAREEEDG GPRLPQDVGD LIAIPAPQQI

Product Details

LIATFDEPRT VVSTVEF **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:

- 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:

Pannexin 2 (PANX2)

Alternative Name:

PANX2 ([PANX2 Products](#))

Background:

Pannexin-2,FUNCTION: Ion channel with a slight anion preference (PubMed:36973289). Also able to release ATP (PubMed:36869038). Plays a role in regulating neurogenesis and apoptosis in keratinocytes (By similarity). {ECO:0000250|UniProtKB:Q6IMP4, ECO:0000269|PubMed:36869038, ECO:0000269|PubMed:36973289}.

Molecular Weight:

74.4 kDa

UniProt:

[Q96RD6](#)

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
