

Datasheet for ABIN7555375
SCNN1G Protein (AA 1-649) (His tag)



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Overview

Quantity:	1 mg
Target:	SCNN1G
Protein Characteristics:	AA 1-649
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SCNN1G protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat SCNN1G Protein expressed in mammalien cells.
Sequence:	MAPGEKIKAK IKKNLPVTGP QAPTIKELMR WYCLNTNTHG CRRIVVSRGR LRLLWIGFT LTAVALILWQ CALLVFSFYT VSVSIKVHFR KLDFPAVTIC NINPYKYSTV RHLLADLEQE TREALKSLYG FPESRKRREA ESWNSVSEGG QPRFSHRIPL LIFDQDEKGGK ARDFFTGRKR KVGGSIIHKA SNVMHIESKQ VVGFQLCSND TSDCATYTFS SGINAIQEWY KLHYMNIMAAQ VPLEKKINMS YSAEELLVTC FFDGVSCDAR NFTLFHHPMH GNCYTFNNRE NETILSTSMG GSEYGLQVIL YINEEEYNPF LVSSTGAKVI IHRQDEYPFV EDVGTEIETA MVTSGMHLT ESFKLSEPYQCTEDGSDVP IRNIYNAAYS LQICLHSCFQ TKMVEKCGCA QYSQPLPPAA NYCNYQQHPN WMYCYYQLHR AFVQEELGCQ SVCKEACSFK EWTLTSLAQ WPSVVSEKWL LPVLTWDQGR QVNKLNKTD LAKLLIFYKD LNQRSIMESP ANSIEMLLSN FGGQLGLWMS CSVVCVIEII EVFFIDFFSI IARRQWQKAK EWWAWKQAPP CPEAPRSPQG QDNPALDIDD DLPTFNSALH LPPALGTQVP GTPPPKYNTL RLERAFSNQL TDTQMLDEL 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:

SCNN1G

Alternative Name:

SCNN1G ([SCNN1G Products](#))

Background:

Amiloride-sensitive sodium channel subunit gamma (Epithelial Na⁺) channel subunit gamma) (ENaCG) (Gamma-ENaC) (Gamma-NaCH) (Nonvoltage-gated sodium channel 1 subunit gamma) (SCNEG),FUNCTION: Sodium permeable non-voltage-sensitive ion channel inhibited by the diuretic amiloride. Mediates the electrodiffusion of the luminal sodium (and water, which follows osmotically) through the apical membrane of epithelial cells. Plays an essential role in electrolyte and blood pressure homeostasis, but also in airway surface liquid homeostasis, which is important for proper clearance of mucus. Controls the reabsorption of sodium in kidney, colon, lung and sweat glands. Also plays a role in taste perception.
{ECO:0000269|PubMed:24124190, ECO:0000269|PubMed:7550319, ECO:0000303|PubMed:7490094}.

Target Details

Molecular Weight: 74.3 kDa

UniProt: [P51170](#)

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