Datasheet for ABIN7563906

SCNN1A Protein (AA 1-699) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	SCNN1A
Protein Characteristics:	AA 1-699
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SCNN1A protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Scnn1a Protein expressed in mammalian cells.
Sequence:	MLDHTRAPEL NLDLDLDVSN SPKGSMKGNN FKEQDLCPPL PMQGLGKGDK REEQALGPEP SEPRQPTEEE EALIEFHRSY RELFQFFCNN TTIHGAIRLV CSKHNRMKTA FWAVLWLCTF GMMYWQFALL FEEYFSYPVS LNINLNSDKL VFPAVTVCTL NPYRYTEIKE DLEELDRITE QTLFDLYKYN SSYTRQAGGR RRSTRDLRGA LPHPLQRLRT PPPPNPARSA RSASSSVRDN NPQVDRKDWK IGFQLCNQNK SDCFYQTYSS GVDAVREWYR FHYINILSRL PDTSPALEEE ALGSFIFTCR FNQAPCNQAN YSQFHHPMYG NCYTFNNKNN SNLWMSSMPG VNNGLSLTLR TEQNDFIPLL STVTGARVMV HGQDEPAFMD DGGFNVRPGV ETSISMRKEA LDSLGGNYGD CTENGSDVPV KNLYPSKYTQ QVCIHSCFQE NMIKKCGCAY IFYPKPKGVE FCDYLKQSSW GYCYYKLQAA FSLDSLGCFS KCRKPCSVTN YKLSAGYSRW PSVKSQDWIF EMLSLQNNYT INNKRNGVAK LNIFFKELNY KTNSESPSVT MVSLLSNLGS QWSLWFGSSV LSVVEMAELI FDLLVITLIM LLHRFRSRYW SPGRGARGAR EVASTPASSF PSRFCPHPTS PPPSLPQQGT TPPLALTAPP PAYATLGPSA SPLDSAVPGS SACAPAMAL **Sequence without tag. The proposed**

Product Details

	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.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	SCNN1A
Alternative Name:	Scnn1a (SCNN1A Products)
Background:	Amiloride-sensitive sodium channel subunit alpha (Alpha-NaCH) (Epithelial Na(+) channel subunit alpha) (Alpha-ENaC) (Nonvoltage-gated sodium channel 1 subunit alpha) (SCNEA),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 eccrine sweat glands. Also plays a role in taste perception.

Target Details

	{ECO:0000269|PubMed:10409305}.
Molecular Weight:	78.9 kDa
UniProt:	Q61180

Application Details

Application Notes:	We expect the protein to work for functional studies. 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

