

Datasheet for ABIN7546174

NHEDC1 Protein (AA 1-515) (His tag)



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Overview

Quantity:	1 mg
Target:	NHEDC1
Protein Characteristics:	AA 1-515
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NHEDC1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC9B1 Protein expressed in mammalian cells.
Sequence:	<p>MHTTESKNEH LEDENFQTST TPQSLIDPNN TAQEETKTVL SDTEEIKPQT KKETYISCPL</p> <p>RGVLNVIITN GVILFVIWCM TWSILGSEAL PGGNLFGLFI IFYSAIIGGK ILQLIRIPLV PPLPPLLGM</p> <p>LAGFTIRNVP FINEHVVHPN TWSSILRSIA LTIILIRAGL GLDPQALRHL KVVCFRLAVG</p> <p>PCLMEASAAA VFSHFIMKFP WQWAFLLGFV LGAVSPAVVV PYMMVLQENG YGVEEGIPTL</p> <p>LMAASSMDDI LAITGFNTCL SIVFSSGGIL NNAIASIRNV CISLLAGIVL GFFVRYFPSE</p> <p>DQKKLTLKRG FLVLTMCVSA VLGSQRIGLH GSGGLCTLVL SFIAGTKWSQ EKMKVQKIIT</p> <p>TVWDIFQPLL FGLVGAEVSV SSLESNIVGI SVATLSLALC VRILTYYLLM CFAGFSFKEK</p> <p>IFIALAWMPK ATVQAVLGPL ALETARVSAP HLEPYAKDVM TVAFLAILIT APNGALLMGI</p> <p>LGPKMLTRHY DPSKIKLQLS TLEHH 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.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

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:

NHEDC1

Alternative Name:

SLC9B1 ([NHEDC1 Products](#))

Background:

Sodium/hydrogen exchanger 9B1 (Na(+)/H(+) exchanger-like domain-containing protein 1) (NHE domain-containing protein 1) (Sodium/hydrogen exchanger-like domain-containing protein 1) (Solute carrier family 9, subfamily B member 1),FUNCTION: Sperm-specific Na(+)/H(+) exchanger involved in intracellular pH regulation of spermatozoa. Involved in sperm motility and fertility. {ECO:0000250|UniProtKB:Q8C0X2}.

Molecular Weight:

56.1 kDa

UniProt:

[Q4ZJI4](#)

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.

Application Details

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