

Datasheet for ABIN7555407
NBC4 Protein (AA 1-1137) (His tag)



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Overview

Quantity:	1 mg
Target:	NBC4
Protein Characteristics:	AA 1-1137
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NBC4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat SLC4A5 Protein expressed in mammalian cells.
Sequence:	MKVKEEKAGV GKLDHTNHRR RFPDQKECPP IHIGLPVPTY PQRKTDQKGH LSGLQKVHWG LRPDQPQEL TGP GSGASSQ DSSMDLISRT RSPAAEQLQD ILGEEDEAPN PTLFTEMDTL QHDGDQMEWK ESARWIKFEE KVEEGGERWS KPHVSTLSLH SLFELRTCLQ TGTVLLDLDS GSLPQIIDDV IEKQIEDGLL RPELRERSY VLLRRHRHQT KKPIHRSLAD IGKSVSTTNR SPARSPGAGP SLHHSTEDLR MRQSANYGRL CHAQSRMND ISLTPNTDQR KNKFMKKIPK DSEASNVLVG EVDFLDQPMI AFVRLIQSAM LGGVTEVPVP TRFLFILLGP SGRAKSYNEI GRAIATLMVD DLFSDVAYKA RNREDLIAGI DEFLDEVIVL PPGWDPNIR IEPKKVPSA DKRKSVFSLA ELGQMNGSVG GGGGAPGGGN GGGGGGGSGG GAGSGGAGGT SSGDDGEMPA MHEIGEELIW TGRFFGGLCL DIKRKLWFP SDFYDGFHIQ SISAILFIYL GCITNAITFG GLLGDATDNY QGVMEFLGT AMAGSLFCLF SGQPLIILSS TGPILIFEKL LDFDSKGNGL DYMEFRLWIG LHASVQCLIL VATDASFIK YITRFTTEGF STLISFIFIY DAIKKMIGAF KYYPINMDFK

PNFITTYKCE CVAPDTVNTT VFNASAPLAP DTNASLYNLL NLTALDWSLL SKKECLSYGG
RLLGNSCKFI PDLALMSFIL FFGTYSMTLT LKKFKFSRYF PTKVRALVAD FSIVFSILMF
CGIDACFGLE TPKLHVPSVI KPTRPDRGWF VAPFGKNPWW VYPASILPAL LVTILIFMDQ
QITAVIVNRK ENKLKKAAGY HLDLFWVGIL MALCSFMGLP WYVAATVISI AHIDSLKMET
ETSAPGEQPQ FLGVREQRVT GIIVFILTGI SVFLAPILKC IPLPVLYGVF LYMGVASLNG
IQMGTGGSEF KIQKKLTPFW ERCKLFLMPA KHQPDHAFLR HVPLRRIHLF TLVQILCLAV
LWILKSTVAA IIFPMILGL IIVRRLDFI FSQHDLAWID NILPEKEKKE TDKKRKRKKG
AHEDCDEEPQ FPPPSVIKIP MESVQSDPQN GIHCIARKRS SSWSYSL **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.
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	NBC4
Alternative Name:	SLC4A5 (NBC4 Products)
Background:	Electrogenic sodium bicarbonate cotransporter 4 (NBCe2) (Solute carrier family 4 member 5),FUNCTION: Mediates sodium- and bicarbonate-dependent electrogenic sodium bicarbonate

Target Details

	cotransport, with a Na(+):HCO3(-) stoichiometry varying from 1:2 to 1:3. {ECO:0000269 PubMed:26447209}.
Molecular Weight:	126.3 kDa
UniProt:	Q9BY07

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