

Datasheet for ABIN7551778
NT5C2 Protein (AA 1-561) (His tag)



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Overview

Quantity:	1 mg
Target:	NT5C2
Protein Characteristics:	AA 1-561
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NT5C2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat NT5C2 Protein expressed in mammalien cells.
Sequence:	MSTSWSDRLQ NAADMPANMD KHALKKYRRE AYHRVFNRS LAMEKIKCFG FDMDYTLAVY KSPEYESLGF ELTVERLVSI GYPQELLSFA YDSTFPTRGL VFDTLYGNLL KVDAYGNLLV CAHGFnFIRG PETREQYPNK FIQRDDTERF YILNtLFNLP ETYLLACLVD FFTNCPRYTS CETGFKDGD L FMSYRSMFQD VRDAVDWVWHY KGSLKEKTVE NLEKYVVKDG KLPLLLSRMK EVGKVFLATN SDYKYTDKIM TYLFD FPHGP KPGSSHRPWQ SYFDLILVDA RKPLFFGEGT VLRQVDTKTG KLKIGTYTGP LQHGI VYSSG SSDTICDLLG AKGKDILYIG DHIFGDILKS KKRQGWRTFL VIPELAQELH VWTDKSSLFE ELQSLDIFLA ELYKHL DSSS NERPDISSIQ RRIKKVTHDM DMCYGMMGSL FRSGSRQTLF ASQVMRYADL YAASFINLLY YPFSYLFRAA HVLMPHESTV EHTHVDINEM ESPLATRNR T SVDFKDTDYK RHQLTR SISE IKPPNLFPLA PQEITHCHDE DDDEEEEEEE E Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make

Product Details

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:

NT5C2

Alternative Name:

NT5C2 ([NT5C2 Products](#))

Background:

Cytosolic purine 5'-nucleotidase (EC 3.1.3.5) (EC 3.1.3.99) (Cytosolic 5'-nucleotidase II) (cN-II) (Cytosolic IMP/GMP-specific 5'-nucleotidase) (Cytosolic nucleoside phosphotransferase 5'N) (EC 2.7.1.77) (High Km 5'-nucleotidase),FUNCTION: Broad specificity cytosolic 5'-nucleotidase that catalyzes the dephosphorylation of 6-hydroxypurine nucleoside 5'-monophosphates (PubMed:1659319, PubMed:9371705, PubMed:10092873, PubMed:12907246). In addition, possesses a phosphotransferase activity by which it can transfer a phosphate from a donor nucleoside monophosphate to an acceptor nucleoside, preferably inosine, deoxyinosine and guanosine (PubMed:1659319, PubMed:9371705). Has the highest activities for IMP and GMP followed by dIMP, dGMP and XMP (PubMed:1659319, PubMed:9371705, PubMed:10092873, PubMed:12907246). Could also catalyze the transfer of phosphates from pyrimidine monophosphates but with lower efficiency (PubMed:1659319, PubMed:9371705). Through these activities regulates the purine nucleoside/nucleotide pools within the cell

Target Details

(PubMed:1659319, PubMed:9371705, PubMed:10092873, PubMed:12907246).
{ECO:0000269|PubMed:10092873, ECO:0000269|PubMed:12907246,
ECO:0000269|PubMed:1659319, ECO:0000269|PubMed:9371705}.

Molecular Weight: 65.0 kDa

UniProt: [P49902](#)

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