

Datasheet for ABIN7559980

SLC44A4 Protein (AA 1-707) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC44A4
Protein Characteristics:	AA 1-707
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC44A4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Slc44a4 Protein expressed in mammalian cells.
Sequence:	<p>MGRKQNEEA HGNSAKYDPS FRGPIKNRGC TDIICCVLFL IFILGYIIVG LVAWVYGDPR</p> <p>QVLYPRNSTG AYCGVGDNDK KPYVLYFDIL SCAAAINIIS IAENGLQCPT PQVCVSSCPL</p> <p>APWAVEVFQF SKTVGEVYGE RRNFCLPAVS PDMIVEESLQ KGLCPRFLLP STPALGRCFP</p> <p>LPNINFTLPE DLRINNTTVS NGISGLLDSI NARDVSVKIF EDFAQSWYWI LVALGVALAL</p> <p>SLLFILLRL VAAPLVLLLI VGLAVLAYG IYHCWQQYQV FRDKGASITQ LGFTTNFSAY</p> <p>QSVKETWLAA LIVLAVLEGI LLLMLIFLRQ RIRIAIALLK EASRAVGQMM STMFYPLVTF</p> <p>VLLVICIGYW AVTALYLATS GQPQYIY WAS NTSTPGCENV PVNMTCDPMA PLNSSCPNLK</p> <p>CVFKGYSTTG LAQRSLFNLQ IYGVLGFWT VNWWLALGQC VLAGAFASFY WAFHKPRDIP</p> <p>TFPLSSAFIR TLRHYTGSLA FGALILSLVQ IARVILEYID HKLRGSQNPV ARCIICCFKC CLWCLEKFIK</p> <p>FLNRNAYIMI AIYGKNFCVS AKNAFMLLMR NVLRVVLDK VTDLLLFFGK LLVVGGVGV</p> <p>SFFFFSGRIK GLGKDFENPN LNYWLPIMT SIMGAYVIAS GFFSVFGMCV DTLFLCFLED</p>

LERNDGSQER PYYMPKALLK ILGKKNEAPT GGKTRKK **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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	SLC44A4
Alternative Name:	Slc44a4 (SLC44A4 Products)
Background:	<p>Choline transporter-like protein 4 (Solute carrier family 44 member 4) (Thiamine pyrophosphate transporter 1) (mTPPT1),FUNCTION: Choline transporter that plays a role in the choline-acetylcholine system and is required to the efferent innervation of hair cells in the olivocochlear bundle for the maintenance of physiological function of outer hair cells and the protection of hair cells from acoustic injury (By similarity). Also described as a thiamine pyrophosphate transporter in colon, may mediate the absorption of microbiota-generated thiamine pyrophosphate and contribute to host thiamine (vitamin B1) homeostasis (PubMed:24379411). {ECO:0000250 UniProtKB:Q53GD3, ECO:0000250 UniProtKB:Q7T2B0, ECO:0000269 PubMed:24379411}.</p>

Target Details

Molecular Weight: 78.7 kDa

UniProt: [Q91VA1](#)

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