

Datasheet for ABIN7563803
CHSY3 Protein (AA 1-884) (His tag)



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Overview

Quantity:	1 mg
Target:	CHSY3
Protein Characteristics:	AA 1-884
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CHSY3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Chsy3 Protein expressed in mammalian cells.
Sequence:	MAVRSRRPWV SVALGLVLGF TAASWLIAPR VAELSEKRRR GSSLCSYYGR SATGPRADAQ QLLPQPQSRP RLEQSPPPAS HELPGPQQPE AAPGGPSFRS SPWQQPALLP QRRRGHTPEG ATALPGAPAA KGEPEEEDGG AADPRKGGPR GSSHNGSGDG GAAVPTSGPG DFLYVGVMTA QKYLGSRALA AQRTWARFIP GRVEFFSSQQ SPSAALGQPP PPLPVIALPG VDDSYPQKK SFMMIKYMHD HYLDKYEFWM RADDVYIKG DKLEEFRLSL NSSKPLYLGQ TGLGNTTEELG KLGLEPGENF CMGGPGMIFS REVLRRMVPH IGECLREMYT THEDVEVGRC VRRFGGTQCV WSYEMQQLFH ENYEHNKGY IQDLHNSKIH AAITLHPNKR PAYQYRLHNY MLRSKISELR YRTIQLHRES ALMSKLSNSE VSKEDQQLGR TPSFNHFQPR ERNEVMWEF LTGKLLYSAA ENQPPRQSIN SILRSALDDT VLQVMEMINE NAKSRGRLID FKEIQGYRR VDPMHGVEYI LDLLLLYKRH KGRKLTVPVR RHAYLQPFKSPFFREVEEL DVNRLVESIN SGTQSFSVIS NSLKILSSLQ EAKDIGGHNE KKVHILVPLV GRYDIFLRFM ENFESTCLIP KQNVKLVIII FSRDAGQESI KHIELIQEQ SRYPSAEMML IPMKGEFSRG LGLEMASSQF DNDTLLLFCD

Product Details

VDLIFRGDFL QRCDNTVQG QQVYYPPIFS QYDPKVTHMR NPPTGDFVF SKETGFWRDY
GYGITCIYKS DLLGAGGFDL SIQGWGLEVD DLYNKVILSG LRPFRSQEVG VVHIFHPVHC
DPNLDPKQYK MCLGSKASTF ASTMQLAELW LEKHLGVRDN RTLS **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.**

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: CHSY3

Alternative Name: Chsy3 ([CHSY3 Products](#))

Background: Chondroitin sulfate synthase 3 (EC 2.4.1.175) (EC 2.4.1.226) (Carbohydrate synthase 2) (Chondroitin glucuronyltransferase 3) (Chondroitin synthase 2) (ChSy-2) (Glucuronosyl-N-acetylgalactosaminyl-proteoglycan 4-beta-N-acetylgalactosaminyltransferase II) (N-acetylgalactosaminyl-proteoglycan 3-beta-glucuronosyltransferase 3) (N-acetylgalactosaminyltransferase 3),FUNCTION: Has both beta-1,3-glucuronic acid and beta-1,4-

Target Details

N-acetylgalactosamine transferase activity. Transfers glucuronic acid (GlcUA) from UDP-GlcUA and N-acetylgalactosamine (GalNAc) from UDP-GalNAc to the non-reducing end of the elongating chondroitin polymer. Specific activity is much reduced compared to CHSY1. {ECO:0000250|UniProtKB:Q70JA7}.

Molecular Weight: 100.1 kDa

UniProt: [Q5DTK1](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

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