

Datasheet for ABIN7553372
CHSY3 Protein (AA 1-882) (His tag)



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Overview

Quantity:	1 mg
Target:	CHSY3
Protein Characteristics:	AA 1-882
Origin:	Human
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:	<p>MAVRSRRPWM SVALGLVLGF TAASWLIAPR VAELSERKRR GSSLCSYYGR SAAGPRAGAQ QPLPQPQSRP RQEQSPPPAR QDLQGPPLPE AAPGITSFRS SPWQQPPPLQ QRRRGREPEG ATGLPGAPAA EGEPEEEDGG AAGQRRDGRP GSSHNGSGDG GAAAPSARPR DFLYVGVMTA QKYLGSRALA AQRTWARFIP GRVEFFSSQQ PPNAGQPPPP LPVIALPGVD DSYPQKKSF MMIKYMHDHY LDKYEFMRA DDDVYIKGDK LEEFLRSLNS SKPLYLGQTG LGNIEELGKL GLEPGENFCM GGPGMIFSRE VLRRMVPBIG ECLREMYTTH EDVEVGRGCV RFGGTQCVWS YEMQQLFHEN YEHNKGYIQ DLHNSKIHA AITLHPNKRPA YQYRLHNYML SRKISELR YR TIQLHRESAL MSKLSNTEVS KEDQQLGVIP SFNHFQPRER NEVIEWEFLT GKLLYSAAEN QPPRQSLSSI LRTALDDTVL QVMEMINENA KSRGRLIDFK EIQYGYRRVN PMHGVEYILD LLLLYKRHKG RKLTPVRRH AYLQQLFSKP FFRETEELDV NSLVESINSE TQSFSEFISNS LKILSSFQGA KEMGGHNEKK VHILVPLIGR YDIFLRFMEN FENMCLIPKQ NVKLVIIIFS RDSGQDSSKH IELIKGYQNK YPKAEMTLIP MKGEFSRGLG LEMASAQFDN DTLLLFCDVD</p>

Product Details

LIFREDFLQR CRDNTIQGQQ VYPIIFSQY DPKVTNGGNP PTDDYFIFSK KTGFWRDYGY
GITCIYKSDL LGAGGFDTSI QGWGLEDVDL YNKVILSGLR PFRSQEVGVV HIFHPVHCDP
NLDPKQYKMC LGSKASTFAS TMQLAELWLE KHLGVRYNRT LS **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:0000269|PubMed:12907687}.

Molecular Weight: 100.3 kDa

UniProt: [Q70JA7](#)

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