

Datasheet for ABIN7564165
CHSY1 Protein (AA 1-800) (His tag)



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Overview

Quantity:	1 mg
Target:	CHSY1
Protein Characteristics:	AA 1-800
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CHSY1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Chsy1 Protein expressed in mammalian cells.
Sequence:	<p>MAARGRRRAWL SMLLGLVLGF VLASRLVLPR ASELKRVGPR RRPSPEGCRP GQEASQPGGA RGDARGAQLW PQGSAAEGVP RDRNFLVGV MTAQKYLQTR AVAAAYRTWSK TIPGKVEFFS SEGSDTSIPI PVVPLRGVDD SYPPQKKSFM MLKYMHDHYL DKYEWFMRAD DDVYIKGDRL ESFLRSLNSS EPLFLGQTGL GTTEEMGKLA LEPGENFCMG GPGVILSREV LRRMAPHIGK CLREMYTTHE DVEVGRCVRR FAGVQCVWSY EMQQLFYENY EQNKKGYIRD LHSSKIHRAI TLHPNKNPPY QYRLHSYMLS RKIAELRHRT IQLHREIVLM SKYSSTEIQK EDLQLGIPPS FMRFQARQRE EILEWEFLTG KYLYSATDGQ PPRRGMDSAQ REALDDIVMQ VMEMINANAK TRGRIIDFKE IQYGYRRVNP MYGAEYILD LLLYKHKHGK KMTVPVRRHA YLQQTFSKMQ FVEHEELDAQ ELADRINQDS GSLSFLSNL KKLVAFQLPG SKTEHKEPKE KKINILIPLS GRFDMFVRFM GNFEKTCLIP NLNVKLVILL FNSDSNPDKA KQVELMRDYR VKYPKADMVQ LPVSGGFSRA LALEVGSSQF NNESSLFFCD VDLVFTAFL QRCRANTVLG QQIYFPIIFS QYDPKIVYSG KVPSDNHFAF TQKTGFWRNY GFGITCIYKG DLVRVGGFDV SIQGWGLEDV</p>

Product Details

DLFNKVVQAG LKTFRSQEVG VVHIHHPVVC DPNLDPKQYK MCLGSKASTF GSTQQLAEMW
LEKNDPSYSK GGSHGSARTA **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: CHSY1

Alternative Name: Chsy1 ([CHSY1 Products](#))

Background: Chondroitin sulfate synthase 1 (EC 2.4.1.175) (EC 2.4.1.226) (Chondroitin glucuronyltransferase 1) (Chondroitin synthase 1) (ChSy-1) (Glucuronosyl-N-acetylgalactosaminyl-proteoglycan 4-beta-N-acetylgalactosaminyltransferase 1) (N-acetylgalactosaminyl-proteoglycan 3-beta-glucuronosyltransferase 1) (N-acetylgalactosaminyltransferase 1),FUNCTION: Has both beta-1,3-glucuronic acid and beta-1,4-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. Involved in the negative

Target Details

control of osteogenesis likely through the modulation of NOTCH signaling.
{ECO:0000250|UniProtKB:Q86X52}.

Molecular Weight: 91.4 kDa

UniProt: [Q6ZQ11](#)

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