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Product Information

MemDX™ Membrane Protein Human CHSY1 (Chondroitin sulfate synthase 1) Full Length

Cat. No.: **MPC3649K**
This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human CHSY1 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
CHSY1

Protein Length
Full length

Protein Class
Transferase

TMD
1

Sequence
MAARGRRAWLSVLLGLVLGFVLASRLVLPRASELKRAGPRRRASPEGCRS
GQAAASQAGGARGDARGAQLWPPGSDPDGGPRDRNFLFVGVMTAQKYLQT
RAVAAYRTWSKTIPGKVQFFSSEGSDTSVPIPVVPLRGVDDSYPPQKKSF
MMLKYMHDHYLDKYEWFMRADDDVYIKGDRLENFLRSLNSSEPLFLGQTG
LGTTEEMGKLALEPGENFCMGGPGVIMSREVLRRMVPHIGKCLREMYTTH
EDVEVGRCVRRFAGVQCVWSYEMQQLFYENYEQNKKGYIRDLHNSKIHQA
ITLHPNKNPPYQYRLHSYMLSRKISELRHRTIQLHREIVLMSKYSNTEIH
KEDLQLGIPPSFMRFQPRQREEILEWEFLTGKYLYSAVDGQPPRRGMDSA
QREALDDIVMQVMEMINANAKTRGRIIDFKEIQYGYRRVNPMYGAEYILD
LLLLYKKHKGKKMTVPVRRHAYLQQTFSKIQFVEHEELDAQELAKRINQE
SGSLSFLSNSLKKLVPFQLPGSKSEHKEPKDKKINILIPLSGRFDMFVRF
MGNFEKTCLIPNQNVKLVVLLFNSDSNPDKAKQVELMRDYRIKYPKADMQ
ILPVSGEFSRALALEVGSSQFNNESLLFFCDVDLVFTTEFLQRCRANTVL
GQQIYFPIIFSQYDPKIVYSGKVPSDNHFAFTQKTGFWRNYGFGITCIYK
GDLVRVGGFDVSIQGWGLEDVDLFNKVVQAGLKTFRSQEVGVVHVHHPVF
CDPNLDPKQYKMCLGSKASTYGSTQQLAEMWLEKNDPSYSKSSNNNGSVR
TA

Product Description

Expression Systems

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HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

CHSY1

Full Name

Chondroitin sulfate synthase 1

Introduction

This gene encodes a member of the chondroitin N-acetylgalactosaminyltransferase family. These enzymes possess dual glucuronyltransferase and galactosaminyltransferase activity and play critical roles in the biosynthesis of chondroitin sulfate, a glycosaminoglycan involved in many biological processes including cell proliferation and morphogenesis. Decreased expression of this gene may play a role in colorectal cancer, and mutations in this gene are a cause of temtamy preaxial brachydactyly syndrome.

Alternative Names

CHSY1; CHSY; CSS1; TPBS; ChSy-1; N-acetylgalactosaminyl-proteoglycan 3-beta-glucuronosyltransferase 1; N-acetylgalactosaminyltransferase II; carbohydrate synthase 1; chondroitin glucuronyltransferase 1; chondroitin glucuronyltransferase II; chondroitin synthase 1; glucuronosyl-N-acetylgalactosaminyl-proteoglycan 4-beta-N-acetylgalactosaminyltransferase 1; Chondroitin sulfate synthase 1

Gene ID

22856

UniProt ID

Q86X52

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