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Product Information

MemDX™ Membrane Protein Human CHST15 (Carbohydrate sulfotransferase 15) for Antibody Discovery

Cat. No.: **MP0320J**
This product is for research use only and is not intended for diagnostic use.

This product is a 64.7 kDa Human CHST15 membrane protein expressed in HEK293T. 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
CHST15

Protein Length
Full-length

Protein Class
Transmembrane

Molecular Weight
64.7 kDa

TMD
1

Sequence
MRHCINCCIQLLPDGAHKQQVNCQGGPHHGHQACPTCKGENKILFRVDSKQMNLLAVLEVRTEGNENWGG
FLRFKKGKRCSLVFGLIIMTLVMASYILSGAHQELLISSPFHYGGFPSNPSLMDSENPSDTKEHHHQSSV
NNISYMKDYPSIKLIINSITTRIEFTTRQLPDLEDLKKQELHMFSVIPNKFLPNSKSPCWYEEFSGQNTT
DPYLTNSYVLYSKRFRSTFDALRKAFWGHLAHAHGKHFRLRCLPHFYIIGQPKCGTTDLYDRLRLHPEVK
FSAIKEPHWWTRKRFGIVRLRDGLRDRYPVEDYLDLFDLAAHQIHQGLQASSAKEQSKMNTIIIGEASAS
TMWDNNAWTFFYDNSTDGEPPFLTQDFIHAFQPNARLIVMLRDPVERLYSDYLYFASSNKSADDFHEKVT
EALQLFENCMLDYSLRACVYNNTLNNAMPVRLQVGLYAVYLLDWLSVFDKQQFLILRLEDHASNVKYTMH
KVFQFLNLGPLSEKQEALMTKSPASNARRPEDRNLGPMWPITQKILRDFYRPFNARLAQVLADEAFAWKT
T

Product Description

Expression Systems
HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

CHST15

Full Name

Carbohydrate sulfotransferase 15

Introduction

Chondroitin sulfate (CS) is a glycosaminoglycan which is an important structural component of the extracellular matrix and which links to proteins to form proteoglycans. Chondroitin sulfate E (CS-E) is an isomer of chondroitin sulfate in which the C-4 and C-6 hydroxyl groups are sulfated. This gene encodes a type II transmembrane glycoprotein that acts as a sulfotransferase to transfer sulfate to the C-6 hydroxal group of chondroitin sulfate. This gene has also been identified as being co-expressed with RAG1 in B-cells and as potentially acting as a B-cell surface signaling receptor. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

Alternative Names

BRAG; GALNAC4S-6ST; B-cell RAG-associated gene protein; carbohydrate (N-acetylgalactosamine 4-sulfate 6-O) sulfotransferase 15

Gene ID

51363

UniProt ID

Q7LFX5

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