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32-13684: CHST5 Human

Format :	CHST5 protein solution (0.25mg/ml) containing 20% glycerol and Phosphate-Buffered Saline (pH 7.4).
Alternative Name :	Carbohydrate sulfotransferase 5, Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 4, GST4, Intestinal N-acetylglucosamine-6-O-sulfotransferase, I-GlcNAc6ST, Intestinal GlcNAc-6-sulfotransferase, mIGn6ST, N-acetylglucosamine 6-O-sulfotransferase 3, GlcNAc6ST-3, Gn6st-3, Chst5, Gst4.

Description

Source:Sf9, Baculovirus cells.
Physical Appearance:Sterile filtered colorless solution.
Biological ActivitySpecific activity is greater than 10,000 pmol/min/ug, and is defined as the amount of enzyme that sulfate from PAPS to Nacetyl-D-glucosamine per minute at pH 7.5, at 37Â°C.
Carbohydrate Sulfotransferase 5 (CHST5) is a Golgi-embedded enzyme that is found in B cells, T cells and intestinal epithelium and is also mediates sulfation of keratan in cornea. CHST5 is a sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the transfer of sulfate to position 6 of non-reducing N-acetylglucosamine residues of keratan. CHST5 works on the non-reducing terminal GlcNAc of short andlong carbohydrate substrates that have poly-N-acetyllactosamine structures.
CHST5 Human produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 380 amino acids (27-395 a.a.) and having a molecular mass of 42.9kDa.CHST5 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	10 µg / 2 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks.Store, frozen at -20°C for longer periods of time.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	ADPEFSRQVP SSPAGLGERV HVLVLSSWRS GSSFVGQLFS QHPDVFYLME PAWHVWDTLS QGSAPALHMA VRDLIRSVFL CDMDVFDAYL PWRRNISDLF QWAVSRALCS PPVCEAFARG NISSEEVCKP LCATRPFGLA QEACSSYSHV VLKEVRFFNL QVLYPLLSDP ALNLRIVHLV RDPRAVLRSR EQTAKALARD NGIVLGTNGT WVEADPRLRV VNEVCRSHVR IAEAALHKPP PFLQDRYRLV RYEDLARDPL TVIRELYAFT GLGLTPQLQT WIHNITHGSG PGARREAFKT TSRDALSVSQ AWRHTLPFAK IRRVQELCGG ALQLLGYRSV HSELEQRDLS LDLLLPRGMD SFKWASSTEK QPESHHHHHH