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32-13683: CHST3 Human

Format :	CHST3 protein solution (0.25mg/ml) contains Phosphate buffered saline (pH7.4) and 10% glycerol.
Alternative Name :	Carbohydrate sulfotransferase 3, Chondroitin 6-O-sulfotransferase 1, C6ST-1, Chondroitin 6-sulfotransferase, GST-0, CHST3, CHST-3,C6ST1HSD.

Description

Source:Sf9, Baculovirus cells.
Physical Appearance:Sterile filtered colorless solution.
Biological ActivitySpecific activity is greater than 1,000 pmol/min/ug, and is defined as the amount of enzyme that sulfate from PAPS to Chondroitin Sulfate per minute at pH 7.5, at 25C.
Carbohydrate Sulfotransferase 3 (CHST3) belong to sulfotransferase 1 family which iincludes 14 enzymes that all members are Golgi-localized type II membrane proteins. These enzymes utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the transfer of sulfate to position 6 of the N-acetylgalactosamine (GalNAc) residue of chondroitin. CHST3 can also sulfate Gal residues of keratan sulfate and Gal residues in sialyl N-acetyllactosamine (sialyl LacNAc) oligosaccharides. CHST3 is expressed in heart, placenta, skeletal muscle and pancreas. CHST3 takes part in maintenance of naive T-lymphocytes in the spleen.
CHST3 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 450 amino acids (39-479.a.a) and having a molecular mass of 51.3kDa. CHST3 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 :	ADLEKENKII SRVSDKLKQI PQALADANST DPALILAENA SLLSLSELDS AFSQLQSRLR NLSLQLGVEP AMEAAGEEEE EQRKEEEPPR PAVAGPRRHV LLMATTRTGS SFVGEFFNQQ GNIFYLFEPL WHIERTVSFE PGGANAAGSA LVYRDVLKQL FLCDLYVLEH FITPLPEDHL TQFMFRRGSS RSLCEDPVCT PFVKKVFEKY HCKNRRCGPL NVTLAAEACR RKEHMALKAV RIRQLEFLQP LAEDPRLDLR VIQLVRDPRA VLASRMVAFA GKYKTWKKWL DDEGQDGLRE EEVQRLRGNC ESIRLSAELG LRQPAWLRGR YMLVRYEDVA RGPLQKAREM YRFAGIPLTP QVEDWIQKNT QAAHDGSGIY STQKNSSEQF EKWRFSMPFK LAQVVQAACG PAMRLFGYKL ARDAAALTNR SVSLLEERGT FWVTHHHHHH.

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