

Active Recombinant Human CHST3 Protein, His-tagged

Cat. No. CHST3-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CHST3 protein (39-479aa), fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect cells
ProteinLength	450aa
Description	This gene encodes an enzyme which catalyzes the sulfation of chondroitin, a proteoglycan found in the extracellular matrix and most cells which is involved in cell migration and differentiation. Mutations in this gene are associated with spondylepiphyseal dysplasia and humerospinal dysostosis.
Form	Liquid
Bio-activity	Specific activity is > 1,000 pmol/min/μg, and is defined as the amount of enzyme that sulfate from PAPS to Chondroitin Sulfate per minute at pH 7.5, at 25 centigrade.
Molecular Mass	51.3kDa
AA Sequence	EKENKIISRVSDKLKQIPQALADANSTDPALILAENASLLSLSELDSAFS SQLQSRLRNL SLQLGVEPAMEAAGEEEEEQRKEEPPRPVAVAGPRRHVLLMATTRTGSSFVGEFF NQQGNIFYLFEPLWHIERTVSFEPGGANAAGSALVYRDVLKQLFLCDLYVLEHFITPL

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PEDHLTQFMFRRGSSRSLCEDPVCTPFVKKVFEKYHCKNRRRCGPLNVTLAAEACRR
 KEHMALKAVRIRQLEFLQPLAEDPRDLRVIQLVRDPRAVLASRMVAFAGKYKTWKK
 WLDDEGQDGLREEEVQRLRGNCESIRLSAELGLRQPAWLRGRYMLVRYEDVARGP
 LQKAREMYRFAGIPLTPQVEDWIQKNTQAAHDGSGIYSTQKNSSEQFEKWRFSMPF
 KLAQVVQAACGPAMRLFGYKLARDAAALTNRSVSLLEERGTFWVT

Endotoxin < 1 EU/μg of protein (determined by LAL method)

Purity > 90% by SDS - PAGE

Applications SDS-PAGE, Enzyme Activity

Storage Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/mL

Storage Buffer In Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

GENE INFORMATION

Gene Name CHST3 carbohydrate sulfotransferase 3 [Homo sapiens (human)]

Official Symbol CHST3

Synonyms CHST3; carbohydrate sulfotransferase 3; carbohydrate sulfotransferase 3; C6ST-1; GST-0; carbohydrate (chondroitin 6) sulfotransferase 3; chondroitin 6 sulfotransferase 1; chondroitin 6-O-sulfotransferase 1; galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 0; EC 2.8.2.17

Gene ID 9469

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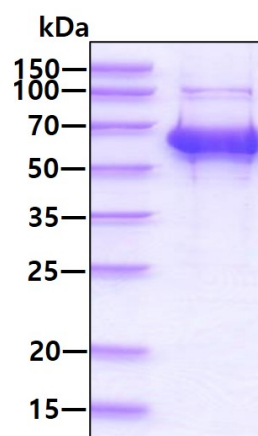
mRNA Refseq [NM_004273.5](#)

Protein Refseq [NP_004264](#)

MIM [603799](#)

UniProt ID [Q7LGC8](#)

SDS-PAGE



3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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