

Datasheet for ABIN7596245

**CHST3 Protein (AA 39-479) (His tag)**[Go to Product page](#)

## Overview

Quantity:	250 µg
Target:	CHST3
Protein Characteristics:	AA 39-479
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CHST3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Enzyme Activity Assay (EAA)

## Product Details

Sequence:	EKENKII SRVSDKLKQI PQALADANST DPALILAENA SLLSLSELD S AFSQLQSRLR NLSLQLGVEP AMEAAGEEEEE EQRKEEEPPR PAVAGPRRHV LLMATTTRTGS SFVGEFFNQQ GNIFYLFEPL WHIERTVSFE PGGANAAGSA LVYRDVLKQL FLCDLVLEH FITPLPEDHL TQFMFRRGSS RSLCEDPVCT PFVKKVFEKY HCKNRRRCGPL NVTLAAEACR RKEHMALKAV RIRQLEFLQP LAEDPRDLR VIQLVRDPRA VLASRMVAFA GKYKTWKKWL DDEGQDGLRE EEVQRLRGNC ESIRLSAELG LRQPAWLRGR YMLVRYEDVA RGPLQKAREM YRFAGIPLTP QVEDWIKQNT QAAHDGSGIY STQKNSSEQF EKWRFSMPFK LAQVVQAACG PAMRLFGYKL ARDAAALTNR SVSLLEERG T FWVT
Purity:	> 90% by SDS - PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)

## Product Details

Biological Activity Comment: Specific activity is > 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.

## Target Details

Target:	CHST3
Alternative Name:	Carbohyde sulfotransferase 3/CHST3 ( <a href="#">CHST3 Products</a> )
Background:	<p>CHST3, also known as chondroitin 6-O-sulfotransferase, is a member of sulfotransferase 1 family. The human CHST family is comprised of 14 enzymes and all members of this family 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. It can also sulfate Gal residues of keratan sulfate and Gal residues in sialyl N-acetylglactosamine (sialyl LacNAc) oligosaccharides. CHST3 Widely expressed in adult tissues. Expressed in heart, placenta, skeletal muscle and pancreas. Also expressed in various immune tissues such as spleen, lymph node, thymus and appendix. Recombinant human CHST3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.</p>
Molecular Weight:	51.3kDa (450aa)
NCBI Accession:	<a href="#">NP_004264</a>
Pathways:	<a href="#">Glycosaminoglycan Metabolic Process</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.