

# Recombinant Human CHST2 Protein (AA 76-530), N-6×His/GFP tagged

**Cat. No.** CHST2-01H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CHST2 Protein (AA 76-530) with N-6×His/GFP tag was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | AA 76-530                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | This locus encodes a sulfotransferase protein. The encoded enzyme catalyzes the sulfation of a nonreducing N-acetylglucosamine residue, and may play a role in biosynthesis of 6-sulfosialyl Lewis X antigen.                                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | ~84 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | YKWHKEPLQQCNPDGPLGAAAGAAGGSWGRPGPPPAGPPRAHARLDLRTPYRPP<br>AAAVGAAPAAAAGMAGVAAPPNGTRGTGGVGDKRQLVYVFTTWRSRSSFFGEL<br>FNQNPEVFFLYEPVWHVWQKLYPGDAVSLQGAARDMLSALYRCDLSVFQLYSPAG<br>SGGRNLTTLGIFGAATNKVVCSSPLCPAYRKEVVGLVDDRVCCKCPPQRLARFEEE<br>CRKYRTLVIKGVRFVDVAVLAPLLRDPALDLKVIHLVRDPRAVASSRIRSRHGLIRESL<br>QVVRSDPRAHRMPFLEAAGHKLGAKKEGVGGPADYHALGAMEVICNSMAKTLQT<br>ALQPPDWLQGHYLVVRYEDLVGDPVKTLRRVYDFVGLLVSPEMEQLFALNMTSGSG<br>SSSKPFVVSARNATQAANAWRTALTFQQIKQVEEFCYQPMAVLGYERVNSPEEVKD<br>LSKTLLRKPRLL |

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|                       |                                                                                                        |
|-----------------------|--------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | >95%, by SDS-PAGE under reducing conditions and visualized by Coomassie Blue stain.                    |
| <b>Stability</b>      | 6 months if stored at -80 centigrade. Avoid repeated freeze thaws.                                     |
| <b>Concentration</b>  | 1 µg/µL                                                                                                |
| <b>Storage Buffer</b> | Supplied as a 0.2 µm filtered solution in 20mM HEPES and 100mM NaCl buffer, pH 7.0, with 10% Glycerol. |
| <b>Preservative</b>   | 0.05 % NaN <sub>3</sub>                                                                                |
| <b>Shipping</b>       | This product is shipped as 0.2µm filtered product on dry ice.                                          |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CHST2 carbohydrate (N-acetylglucosamine-6-O) sulfotransferase 2 [ Homo sapiens (human) ]                                                                                                                                                                                                                                   |
| <b>Official Symbol</b> | CHST2                                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>        | CHST2; carbohydrate (N-acetylglucosamine-6-O) sulfotransferase 2; carbohydrate sulfotransferase 2; C6ST; N-acetylglucosamine 6-O-sulfotransferase 1; carbohydrate (chondroitin 6/keratan) sulfotransferase 2; galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 2; GST2; GST-2; Gn6ST-1; glcNAc6ST-1; |
| <b>Gene ID</b>         | 9435                                                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>     | NM_004267                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Refseq</b>  | NP_004258                                                                                                                                                                                                                                                                                                                  |

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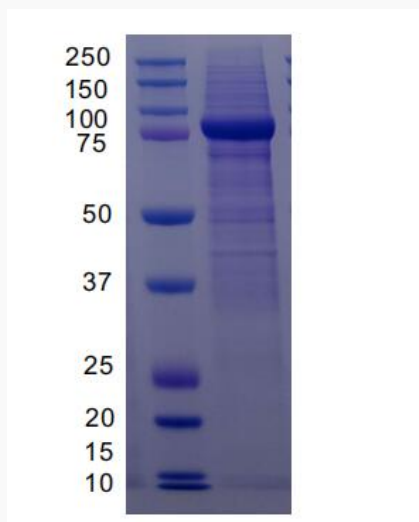
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SDS-PAGE



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