# Recombinant Human CHST6 Protein, GST-tagged

**Cat. No.** CHST6-1347H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Human CHST6 partial ORF ( NP_067628, 296 a.a. - 395 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Species** | Human |
| **Source** | Wheat Germ |
| **Description** | The protein encoded by this gene is an enzyme that catalyzes the transfer of a sulfate group to the GlcNAc residues of keratan. Keratan sulfate helps maintain corneal transparency. Defects in this gene are a cause of macular corneal dystrophy (MCD). [provided by RefSeq, Jan 2010] |
| **Molecular Mass** | 36.74 kDa |
| **AA Sequence** | TPQLEAWIHNITHGSGPGARREAFKTSSRNALNVSQAWRHALPFAKIRRVQELCAG ALQLLGYRPVYSEDEQRNLALDLVLPRGLNGFTWASSTASHPRN |
| **Applications** | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |
| **Notes** | Best use within three months from the date of receipt of this protein. |
| **Storage** | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |

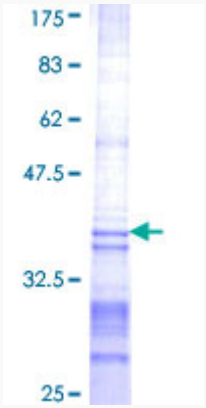
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| **Storage Buffer** | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

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| **Gene Name** | CHST6 carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 6 [ Homo sapiens ] |
| **Official Symbol** | CHST6 |
| **Synonyms** | CHST6; carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 6; MCDC1; carbohydrate sulfotransferase 6; gn6st-5; hCGn6ST; GST4-beta; C-GlcNAc6ST; glcNAc6ST-5; N-acetylglucosamine 6-O-sulfotransferase 5; corneal N-acetylglucosamine 6-sulfotransferase; corneal N-acetylglucosamine-6-O-sulfotransferase; galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 4-beta; |
| **Gene ID** | 4166 |
| **mRNA Refseq** | NM_021615 |
| **Protein Refseq** | NP_067628 |
| **MIM** | 605294 |
| **UniProt ID** | Q9GZX3 |

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| **Quality Control Testing:** | <br>12.5% SDS-PAGE Stained with Coomassie Blue. |

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