# Recombinant Human CHSY1 Protein, GST-tagged

**Cat. No.** CHSY1-1348H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Human CHSY1 partial ORF ( NP_055733.2, 516 a.a. - 624 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Species** | Human |
| **Source** | Wheat Germ |
| **Description** | This gene encodes a member of the chondroitin N-acetylgalactosaminyltransferase family. These enzymes possess dual glucuronyltransferase and galactosaminyltransferase activity and play critical roles in the biosynthesis of chondroitin sulfate, a glycosaminoglycan involved in many biological processes including cell proliferation and morphogenesis. Decreased expression of this gene may play a role in colorectal cancer, and mutations in this gene are a cause of temtamy preaxial brachydactyly syndrome. [provided by RefSeq, Dec 2011] |
| **Molecular Mass** | 37.73 kDa |
| **AA Sequence** | PFQLPGSKSEHKEPKDKKINILIPLSGRFDMFVRFMGNFEKTCLIPNQNVKLVVLLFNSDSNPDKAKQVELMRDYRIKYPKADMQILPVSGEFSRALALEVGSSQFNNE |
| **Applications** | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |

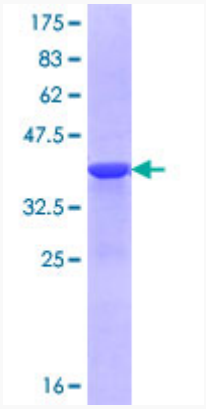
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| **Notes** | Best use within three months from the date of receipt of this protein. |
| **Storage** | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| **Storage Buffer** | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

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| **Gene Name** | CHSY1 chondroitin sulfate synthase 1 [ Homo sapiens ] |
| **Official Symbol** | CHSY1 |
| **Synonyms** | CHSY1; chondroitin sulfate synthase 1; carbohydrate (chondroitin) synthase 1; CSS1; KIAA0990; chondroitin synthase 1; carbohydrate synthase 1; chondroitin glucuronyltransferase 1; N-acetylgalactosaminyltransferase II; chondroitin glucuronyltransferase II; N-acetylgalactosaminyl-proteoglycan 3-beta-glucuronosyltransferase 1; glucuronosyl-N-acetylgalactosaminyl-proteoglycan 4-beta-N-acetylgalactosaminyltransferase 1; CHSY; TPBS; ChSy-1; FLJ58581; DKFZp434M032; |
| **Gene ID** | 22856 |
| **mRNA Refseq** | NM_014918 |
| **Protein Refseq** | NP_055733 |
| **MIM** | 608183 |
| **UniProt ID** | Q86X52 |

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

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