

## Recombinant Human CHSY1 Protein, GST-tagged

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

### SPECIFICATION

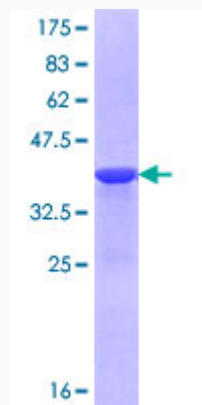
|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human CHSY1 partial ORF ( NP_055733.2, 516 a.a. - 624 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | 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] |
| <b>Molecular Mass</b>   | 37.73 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | PFQLPGSKSEHKPEKDKKINILIPLSGRFDMFVRFMGNFEKTCLIPNQNVKLVVLLFN<br>SDSNPDKAKQVELMRDYRIKYPKADMQILPVSGEFSRALALEVGSSQFNNE                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Gene Name</b>        | CHSY1 chondroitin sulfate synthase 1 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Official Symbol</b>  | CHSY1                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>         | 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; |
| <b>Gene ID</b>          | 22856                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>mRNA Refseq</b>      | NM_014918                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Protein Refseq</b>   | NP_055733                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>MIM</b>              | 608183                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>UniProt ID</b>       | Q86X52                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

**Quality Control****Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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