

## Recombinant Human SULT1A1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** SULT1A1-5289H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | SULT1A1 MS Standard C13 and N15-labeled recombinant protein (NP_001046) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. These cytosolic enzymes are different in their tissue distributions and substrate specificities. The gene structure (number and length of exons) is similar among family members. This gene encodes one of two phenol sulfotransferases with thermostable enzyme activity. Multiple alternatively spliced variants that encode two isoforms have been identified for this gene. |
| <b>Molecular Mass</b>   | 34.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MELIQDTSRPPLEYVKGVP LIKYFAEALGPLQSFQARPDDL ISTYPKSGTTWVSQIL<br>DMIYQGGDLEKCHRAPIFMRVPFLEFKAPGIPSGMETLKDTPAPRLLKTHLPLALLPQ<br>TLLDQKVKV VYVARNAKDVAVSYYHFYHMAKVHPEPGTWDSFLEKFMVGEVSYGS<br>WYQHVQEWELSRTHPVLYLFYEDMKENPKREIQKILEFVGHSLPEETVDFV VQHT<br>SFKEMKKNPMTNYTTVPQEFMDHSISP FMRKGMAGDWKTTFTVAQNERFDADYAE<br>KMAGCSLSFRSELTRTRPLEQKLISEEDLAANDILDYKDDDDKV                                                                                                                                                   |

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|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 80% as determined by SDS-PAGE and Coomassie blue staining                                |
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                  |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | SULT1A1 sulfotransferase family 1A member 1 [ Homo sapiens (human) ]                                                                                                                                                                                                                                                             |
| <b>Official Symbol</b> | SULT1A1                                                                                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>        | SULT1A1; sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1; STP, STP1; sulfotransferase 1A1; P PST; ts-PST; P-PST 1; aryl sulfotransferase 1; thermostable phenol sulfotransferase1; phenol-sulfating phenol sulfotransferase 1; PST; STP; STP1; P-PST; ST1A1; ST1A3; TSPST1; HAST1/HAST2; MGC5163; MGC131921; |
| <b>Gene ID</b>         | 6817                                                                                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>     | NM_001055                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>  | NP_001046                                                                                                                                                                                                                                                                                                                        |
| <b>MIM</b>             | 171150                                                                                                                                                                                                                                                                                                                           |

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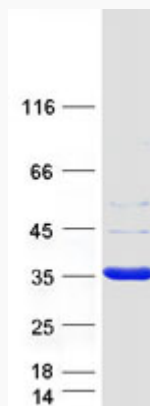
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UniProt ID

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SDS-PAGE



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