

## Product datasheet for **TP720946XL**

### CSPS (SULT1A3) (NM\_177552) Human Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Purified recombinant protein of Human sulfotransferase family, cytosolic, 1A, phenol-preferring, member 3 (SULT1A3) |
| Species:                              | Human   |
| Expression Host:                      | E. coli   |
| Expression cDNA Clone or AA Sequence: | Met1-Leu295   |
| Tag:                                  | N-His   |
| Predicted MW:                         | 35.6 kDa  |
| Purity:                               | >95% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:                               | Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl                                 |
| Endotoxin:                            | Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)   |
| Storage:                              | Store at -80°C.   |
| Stability:                            | Stable for at least 3 months from date of receipt under proper storage and handling conditions.                     |
| RefSeq:                               | <a href="#">NP_808220</a>   |
| Locus ID:                             | 6818  |
| UniProt ID:                           | <a href="#">P50224</a> , <a href="#">P0DMM9</a> , <a href="#">P0DMN0</a> , <a href="#">Q1ET61</a>                   |
| RefSeq Size:                          | 1408  |
| Cytogenetics:                         | 16p11.2   |
| RefSeq ORF:                           | 885   |
| Synonyms:                             | HAST; HAST3; M-PST; ST1A3; ST1A3/ST1A4; ST1A4; ST1A5; STM; TL-PST   |



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**Summary:**

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 a phenol sulfotransferase with thermolabile enzyme activity. Four sulfotransferase genes are located on the p arm of chromosome 16; this gene and SULT1A4 arose from a segmental duplication. This gene is the most centromeric of the four sulfotransferase genes. Read-through transcription exists between this gene and the upstream SLX1A (SLX1 structure-specific endonuclease subunit homolog A) gene that encodes a protein containing GIY-YIG domains. [provided by RefSeq, Nov 2010]

**Protein Pathways:**

Sulfur metabolism