

## Product Data:

**Product SKU:** RPES2897

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** P0DMM9

## Protein Information:

**Molecular Mass:** 35.6 kDa

**AP Molecular Mass:** 35 kDa

**Tag:** N-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

**Formulation:** Supplied as a 0.2 µm filtered solution of 20mM Tris, 100mM NaCl, pH 8.0.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Sulfotransferase 1A3/1A4; ST1A3/ST1A4; Aryl Sulfotransferase 1A3/1A4; Catecholamine-Sulfating Phenol Sulfotransferase; HAST3; M-PST; Monoamine-Sulfating Phenol Sulfotransferase; Placental Estrogen Sulfotransferase; Sulfotransferase Monoamine-Preferring; Thermolabile Phenol Sulfotransferase; TL-PST; SULT1A3; STM; SULT1A4; HAST; HAST3; M-PST; ST1A5; STM

## Immunogen Information:

**Sequence:** Met 1-Leu295

## Background:

Sulfotransferase 1A3/1A4 (SULT1A3) is 295 amino acids in length and localizes to the cytoplasm. It is a member of the Sulfotransferase 1 family. SULT1A3 can be found in the liver, colon, kidney, lung, brain, spleen, small intestine, placenta, and leukocytes. SULT1A3 exists as a homodimer and it catalyzes the sulfation of phenolic monoamines, such as dopamine, norepinephrine and serotonin, and phenolic and catecholic drugs.