



Recombinant Protein Technical Manual  
Recombinant Mouse ST6GALNAC2 Protein (His Tag)  
RPES2219

### Product Data:

**Product SKU:** RPES2219

**Size:** 10µg

**Species:** Mouse

**Expression host:** Human Cells

**Uniprot:** P70277

### Protein Information:

**Molecular Mass:** 40.4 kDa

**AP Molecular Mass:** 45 kDa

**Tag:** C-His

**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. Upon receipt, store it immediately at < -20°C.

**Formulation:** Supplied as a 0.2 µm filtered solution of 50mM Tris, 150mM NaCl, pH 7.5.

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

**Application:**

**Synonyms:** Gal-beta;3-GalNAc alpha-2;6-sialyltransferase;GalNAc alpha-2;6-sialyltransferase II;ST6GalNAc II;Sialyltransferase 7B;SIAT7-B;II;Siat7;Siat7b;ST6GalNAc

## Immunogen Information:

**Sequence:** Ser28-Arg373

## Background:

Alpha-N-acetylgalactosaminide alpha -2,6-sialyltransferase 2, is a type II membrane protein localized in the Golgi network and catalyzes 2,6-sialylation of the Tn antigen. Sialyl-Tn antigen is highly expressed in several human carcinomas and is associated with carcinoma aggressiveness and poor prognosis. It has been reported that dysregulation of this gene is involved in the pathogenesis of IgA nephropathy, a common kidney disease that occurs when antibody IgA accumulates in kidneys (4). The enzyme may also be used to synthesize a cancer vaccine.