

# Recombinant Mouse ST6GALNAC2 Protein (His Tag)

Catalog Number:PKSM041361



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

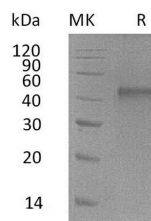
## Description

<b>Synonyms</b>	Gal-beta-1;3-GalNAc alpha-2;6-sialyltransferase;GalNAc alpha-2;6-sialyltransferase II;ST6GalNAc II;Sialyltransferase 7B;SIAT7-B;II;Siat7;Siat7b;ST6GalNAc
<b>Species</b>	Mouse
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Ser28-Arg373
<b>Accession</b>	P70277
<b>Calculated Molecular Weight</b>	40.4 kDa
<b>Observed molecular weight</b>	45 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	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.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 50mMTris,150mMNaCl,pH7.5.
<b>Reconstitution</b>	Not Applicable

## Data



> 95 % as determined by reducing SDS-PAGE.

## 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.

## For Research Use Only

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