

## 32-7829: Recombinant Mouse ST6GALNAC2 (C-6His)

**Gene :** St6galnac2

**Gene ID :** 20446

**Uniprot ID :** P70277

### Description

Source: Human Cells.

MW :40.4kD.

Recombinant Mouse Alpha-N-acetylgalactosaminide Alpha-2,6-sialyltransferase 2 is produced by our Mammalian expression system and the target gene encoding Ser28-Arg373 is expressed with a 6His tag at the C-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Supplied as a 0.2 µm filtered solution of 50mMTris,150mMNaCl,pH7.5.

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

**Amino Acid :** SAGQQSPETQVPARNMAYPRAFFDPKPPNSENKSRSLCQHSLSLAIQKDRRFRSLFDLSTPVLLWEGFLTQEL  
WNNLSQHKVPYQWGLSHEVIASLRLKSPESGELFGAPRKLPLSCIRCAVVGNGGILNGSRQGQKIDAHDY  
VFRLNGAITEAFERDVGTKTSFYGFTVNTMKNLSISYAKLGFTSVPOGQNLRYIFIPSSIRDYLMRLSAILGVPVPE  
GPDKGDRPHTYFGPETSASKFKLLHPDFISYLTFRFLKSKLINTRFGDMYMPSTGALMLLTALHTCDQVSAYGFIT  
NNYQKYS DHYFEREKKPLIFYANHDLSLEASLWRDLHNAGILWLYQRVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.