

## 32-7453: Recombinant Human beta-Galactoside a-2,6-Sialyltransferase 1/ST6GAL1 (C-6His)

**Gene :** ST6GAL1

**Gene ID :** 6480

**Uniprot ID :** P15907

### Description

Source: Human Cells.

MW :44.6kD.

Recombinant Human ST6GAL1 is produced by our Mammalian expression system and the target gene encoding Lys27-Cys406 is expressed with a 6His tag at the C-terminus. The ST6GAL1 gene encodes beta-Galactosamide a-2,6-Sialyltransferase 1. It is a type II membrane protein and is localized to the trans-Golgi network. It catalyzes 2,6-sialylation of Gal beta1,4-GlcNAc structures on N-glycans. ST6GAL1 is highly expressed in the liver and other tissues. ST6GAL1 deficiency causes abnormalities in B-cell immunoreactivity. The expression and activity of ST6GAL1 are associated with tumor metastasis in breast and colon cancers. The majority of ST6GAL1 in the liver is cleaved and secreted into the serum and may be used as a biomarker for hepatitis diseases.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 8.0.

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

**Amino Acid :** KEKKKGSYYDSFKLQTKFQVLKSLGKLAGSDSQSVSSSTQDPHRGRQTLGSLRGLAKAKPEASFQVWNK  
DSSSKNLIPRLQKIWKNYLSMNKYKVSYKGP GPGIKFSAEALRCHLRDHVNVSMVEVTDFFNTSEWEGYLPKE  
SIRTKAGPWGRCAVVSSAGSLKSSQLGREIDDHDAVLRFN GAPTANFQQDVGTKTIRLMNSQLVTTEKRFK  
DSLNEGILIVWDPSVYHSDIPKWYQNP DYNFFN NYKTYRKLHPNQPFYILKQMPWELWDILQEISPEEIQPNP  
PSSGMLGIIMMTLCDQVDIYEF LPSKRKTDV CYYQKFFDSACTMGAYHPLL YEKNLVKHLNQGTDEDIYLLGK  
ATLPGFRTIHCVDHHHHHH

### Application Note

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

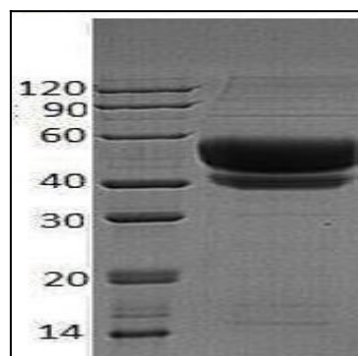


Figure 1: Coomassie staining of Recombinant Human beta-Galactoside a-2,6-Sialyltransferase 1/ST6GAL1 (C-6His).