

## 32-7465: Recombinant Human beta-1,4-Galactosyltransferase 4/B4GALT4 (C-6His)

**Gene :** B4GALT4

**Gene ID :** 8702

**Uniprot ID :** O60513

### Description

Source: Human Cells.

MW :36.77kD.

Recombinant Human B4GALT4 is produced by our Mammalian expression system and the target gene encoding Gln39-Ala344 is expressed with a 6His tag at the C-terminus. beta-1,4-galactosyltransferase 4 (B4GALT4) is a single-pass type II membrane protein that belongs to the Glycosyltransferase 7 family. B4GALT4 consist of the following 2 domains: N-Acetyllactosamine Synthase and beta-N-Acetylglucosaminyl-Glycolipid beta-1,4-Galactosyltransferase. B4GALT4 is highly expressed in the heart, placenta, kidney, and pancreas; it is lowly expressed in the brain, colon, lung, muscle, ovary, testis, and uterus. B4GALT4 function is responsible for the synthesis of complex-type N-linked oligosaccharides in many glycoproteins as well as the carbohydrate moieties of glycolipids.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Supplied as a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, pH 7.5.

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

**Amino Acid :** QEIPKAKEFMANFHKTLLGKGKLTNEASTKKVELDNCPSVSPYLRGQSKLIFKPDLTLEEVQAENPKVSRGRYR  
PEECKALQRVAILVPHRNREKHLMYLLEHLHPFLQRQQLDYGIYVIHQAEQKKFNRAKLLNVGYLEALKEENWD  
CFIFHDVDLVPENDFNLYKCEEHPKHLVGRNSTGYRLRYSGYFGGVTALSREQFFKVNGFSNNYWGWWGGED  
DDLRLRVELQRMKISRPLPEVGKYMVFHTRDKGNEVNAERMKLLHQVSRVWRTDGLSSCSYKLVSV EHNPLY  
INITVDFWFGAVDHHHHHH

### Application Note

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