

## B4GALT4 Protein, Human (HEK293, His)

Cat. No.:	HY-P7630
Synonyms:	rHuB4GALT4, His; Beta-1,4-Galactosyltransferase 4; Beta-1,4-GalTase 4; B4GALT4
Species:	Human
Source:	HEK293
Accession:	O60513 (Q39-A344)
Gene ID:	8702
Molecular Weight:	Approximately 40.0 kDa

### PROPERTIES

AA Sequence	<pre> Q E I P K A K E F M   A N F H K T L I L G   K G K T L T N E A S   T K K V E L D N C P S V S P Y L R G Q S   K L I F K P D L T L   E E V Q A E N P K V   S R G R Y R P Q E C K A L Q R V A I L V   P H R N R E K H L M   Y L L E H L H P F L   Q R Q Q L D Y G I Y V I H Q A E G K K F   N R A K L L N V G Y   L E A L K E E N W D   C F I F H D V D L V P E N D F N L Y K C   E E H P K H L V V G   R N S T G Y R L R Y   S G Y F G G V T A L S R E Q F F K V N G   F S N N Y W G W G G   E D D D L R L R V E   L Q R M K I S R P L P E V G K Y T M V F   H T R D K G N E V N   A E R M K L L H Q V   S R V W R T D G L S S C S Y K L V S V E   H N P L Y I N I T V   D F W F G A H H H H   H H           </pre>
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filter solution of 20 mM Tris, 150 mM NaCl, pH 7.5
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	Highly expression of B4GALT4 is linked to colorectal cancer metastasis and poor prognosis. B4Gal-T4 is an active UDPGal: β GlcNAcβ1,4Gal-transferase with specificity for glycolipid substrates; however, it does not catalyze glycosylation of several glycoprotein acceptors, which are good substrates for other β4Gal-transferases <sup>[1][2]</sup> .
------------	--

---

## REFERENCES

- [1]. H Zhou, et al. B4GALT family mediates the multidrug resistance of human leukemia cells by regulating the hedgehog pathway and the expression of p-glycoprotein and multidrug resistance-associated protein 1. *ell Death Dis.* 2013 Jun 6;4(6):e654.
- [2]. T Schwientek, et al. Cloning of a novel member of the UDP-galactose:beta-N-acetylglucosamine beta1,4-galactosyltransferase family, beta4Gal-T4, involved in glycosphingolipid biosynthesis. *J Biol Chem.* 1998 Nov 6;273(45):29331-40.
- 

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA