B4GALT1 Protein, Human (HEK293 His)

Cat. No.:	HY-P7628
Synonyms:	rHuB4GALT1, His; B4GALT1; Beta-1,4-GalTase 1; CDG2D
Species:	Human
Source:	HEK293
Accession:	P15291 (G44-S398)
Gene ID:	2683
Molecular Weight:	50-60 kDa

PROPERTIES

AA Sequence	G R D L S R L P Q L V G V S T P L Q G G S N S A A A I G Q S S G E L R T G G A R P P P P L G A S S Q P R P G G D S S P V V D S G P G P A S N L T S V P V P H T T A L S L P A C P E E S P L L V G P M L I E F N M P V D L E L V A K Q N P N V K M G G R Y A P R D C V S P H K V A I I I P F R N R Q E H L K Y W L Y Y L H P V L Q R Q Q L D Y G I Y V I N Q A G D T I F N R A K L L N V G F Q E A L K D Y D Y T C F V F S D V D L I P M N D H N A Y R C F S Q P R H I S V A M D K F G F S L P Y V Q Y F G G V S A L S K Q Q F L T I N G F P N N Y W G W G G E D D D I F N R L V F R G M S I S R P N A V V G R C R M I R H S R D K K N E P N P Q R F D R I A H T K E T M L S D G L N S L T Y Q V L D V Q R Y P L Y T Q I T V D I G T P S H H H H H H
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-HCl, 150 mM NaCl, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconsititution	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	B4GALT1 expression is identified as an independent adverse prognostic factor for survival in non-metastatic clear cell renal

cell carcinoma modesl[1]. B4GALT1 gene plays important roles in physiological process and disease development. B4GALT1 is shown to be responsible for the synthesis of complex-type N-linked oligosaccharides in many glycoproteins as well as the carbohydrate moieties of glycolipids [2]. B4GALT1 is a new candidate to maintain the Stemness of lung Cancer stem cells[3].

REFERENCES

[1]. Huyang Xie, et al. Increased B4GALT1 expression associates with adverse outcome in patients with non-metastatic clear cell renal cell carcinoma. Oncotarget. 2016 May 31;7(22):32723-30.

[2]. Huimin Zhou, et al. B4GALT1 gene knockdown inhibits the hedgehog pathway and reverses multidrug resistance in the human leukemia K562/adriamycin-resistant cell line. IUBMB Life. 2012 Nov;64(11):889-900.

[3]. Claudia De Vitis, et al. B4GALT1 Is a New Candidate to Maintain the Stemness of Lung Cancer Stem Cells. J Clin Med. 2019 Nov 9;8(11):1928.

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

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