

Recombinant Human GALNT12, GST-tagged

Cat. No. GALNT12-13133H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GALNT12 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-272a.a.
Description	L-glutamate is the major excitatory neurotransmitter in the central nervous system and activates both ionotropic and metabotropic glutamate receptors. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. The metabotropic glutamate receptors are a family of G protein-coupled receptors, that have been divided into 3 groups on the basis of sequence homology, putative signal transduction mechanisms, and pharmacologic properties. Group I includes GRM1 and GRM5 and these receptors have been shown to activate phospholipase C. Group II includes GRM2 and GRM3 while Group III includes GRM4, GRM6, GRM7 and GRM8. Group II and III receptors are linked to the inhibition of the cyclic AMP cascade but differ in their agonist selectivities. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Buffer

1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION
Gene Name

[GALNT12](#) UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase 12 (GalNAc-T12) [Homo sapiens]

Official Symbol

[GALNT12](#)

Synonyms

GALNT12; UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase 12 (GalNAc-T12); polypeptide N-acetylglactosaminyltransferase 12; FLJ21212; pp-GaNTase 12; polypeptide GalNAc transferase 12; colorectal cancer, susceptibility to 1; protein-UDP acetylglactosaminyltransferase 12; UDP-GalNAc:polypeptide N-acetylglactosaminyltransferase 12; CRCS1; GalNAc-T12;

Gene ID

[79695](#)

mRNA Refseq

[NM_024642](#)

Protein Refseq

[NP_078918](#)

MIM

[610290](#)

UniProt ID

[Q8IXK2](#)

Chromosome Location

9q22.33

Pathway

Metabolic pathways, organism-specific biosystem; Metabolism of proteins, organism-

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

specific biosystem; Mucin type O-Glycan biosynthesis, organism-specific biosystem; Mucin type O-Glycan biosynthesis, conserved biosystem; O-glycan biosynthesis, mucin type core, organism-specific biosystem; O-glycan biosynthesis, mucin type core, conserved biosystem; O-linked glycosylation of mucins, organism-specific biosystem;

Function

polypeptide N-acetylgalactosaminyltransferase activity; sugar binding; transferase activity, transferring glycosyl groups;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA