



Recombinant Protein Technical Manual

Recombinant Human GLT25D2 Protein (His Tag)

RPES2551

Product Data:

Product SKU: RPES2551

Size: 20µg

Species: Human

Expression host: Baculovirus-Insect Cells

Uniprot: Q8IYK4

Protein Information:

Molecular Mass: 73.8 kDa

AP Molecular Mass: 68 kDa

Tag: C-His

Bio-activity:

Purity: > 85 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% gly, pH 7.4

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: C1orf17;GLT25D2;RP11-498P10.2

Immunogen Information:

Sequence: Met 1-Ser 622

Background:

Glycosyl transferase 25 domain 2 (GLT25D2) is a glucosyltransferase enzyme expressed only at low levels in the nervous system. Glycosyltransferases are enzymes that act as a catalyst for the transfer of a monosaccharide unit from an activated nucleotide sugar (also known as the "glycosyl donor") to a glycosyl acceptor molecule, usually an alcohol. Glycosyl transferases transfer glycosyl groups onto their substrate. Localization partially defines their function. Glt25D2 enzyme showed a strong galactosyltransferase activity toward various types of collagen and toward the serum mannose-binding lectin MBL which contains a collagen domain.