# Recombinant Human GLT25D2 Protein (His Tag)

**Catalog Number:PKSH030820**

***Note:*** Centrifuge before opening to ensure complete recovery of vial contents.

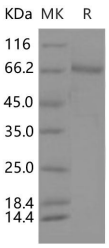
## Description

| | |
|---|---|
| **Synonyms** | C1orf17;GLT25D2;RP11-498P10.2 |
| **Species** | Human |
| **Expression Host** | Baculovirus-Insect Cells |
| **Sequence** | Met 1-Ser 622 |
| **Accession** | Q8IYK4 |
| **Calculated Molecular Weight** | 73.8 kDa |
| **Observed molecular weight** | 68 kDa |
| **Tag** | C-His |

## Properties

| | |
|---|---|
| **Purity** | > 85 % as determined by reducing SDS-PAGE. |
| **Endotoxin** | < 1.0 EU per μg of the protein as determined by the LAL method. |
| **Storage** | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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% glycerol, pH 7.4<br>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.<br>Please refer to the specific buffer information in the printed manual. |
| **Reconstitution** | Please refer to the printed manual for detailed information. |

## Data




> 85 % as determined by reducing SDS-PAGE.

## 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.

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