

# Recombinant Human GALNT2/GalNAc-T2 Protein (His Tag)



Catalog Number:PKSH030561

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

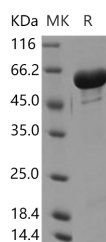
## Description

<b>Synonyms</b>	GalNAc-T2
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Lys52-Gln571
<b>Accession</b>	NP_004472.1
<b>Calculated Molecular Weight</b>	61.6 kDa
<b>Observed molecular weight</b>	57-65&46 kDa
<b>Tag</b>	N-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, 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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile 25 mM Tris, 150 mM NaCl, 0.05% Brij-35, pH 7.5 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

GALNT2, also known as GalNAc-T2, is a member of the GalNAc-transferases family. Members of this family transfer an N-acetyl galactosamine to the hydroxyl group of a serine or threonine residue in the first step of O-linked oligosaccharide biosynthesis. GALNT2 may play a role in lipid metabolism. It catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. GALNT2 has a broad spectrum of substrates for peptides such as EA2, Muc5AC, Muc1a, Muc1b.

## For Research Use Only

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