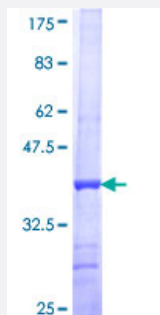


FUT2 (Human) Recombinant Protein (Q01)

Catalog # H00002524-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human FUT2 partial ORF (NP_000502, 51 a.a. - 150 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	TSKALGPSQLRGMWTINAIGRLGNQMGEYATLYALAKMNGRPAFIPAQMHSSTLAPIFRITLPVLHSA TASRIPWQNYHLNDWMEEYRHFPGYVRFTGY
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (80); Rat (78)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — FUT2

Entrez GeneID [2524](#)

GeneBank Accession# [NM_000511](#)

Protein Accession# [NP_000502](#)

Gene Name FUT2

Gene Alias SE, SEC2, Se2, sej

Gene Description fucosyltransferase 2 (secretor status included)

Omim ID [182100](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a Golgi stack membrane protein that is involved in the creation of a precursor of the H antigen, which is required for the final step in the soluble A and B antigen synthesis pathway. This gene is one of two encoding the galactoside 2-L-fucosyltransferase enzyme. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

Other Designations GDP-L-fucose:beta-D-galactoside 2-alpha-L-fucosyltransferase 2|alpha (1,2) fucosyltransferase|alpha(1,2)FT2|fucosyltransferase 2|galactoside 2-alpha-L-fucosyltransferase 2|secretor blood group alpha-2-fucosyltransferase|secretor factor

Pathway

- [Glycosphingolipid biosynthesis - globo series](#)
- [Glycosphingolipid biosynthesis - lacto and neolacto series](#)

- [Metabolic pathways](#)

Disease

- [Asthma](#)
- [Breast Neoplasms](#)
- [Caliciviridae Infections](#)
- [Carcinoma](#)
- [Crohn Disease](#)
- [Cystic fibrosis](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Gastritis](#)
- [Gastroenteritis](#)
- [Genetic Predisposition to Disease](#)
- [Helicobacter Infections](#)
- [HIV Infections](#)
- [Infection](#)
- [Lymphatic Metastasis](#)
- [Peptic Ulcer](#)
- [Pseudomonas Infections](#)
- [Pulmonary Disease](#)
- [Stomach Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)