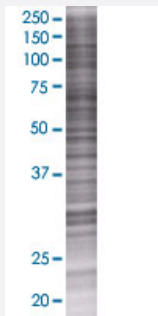


FUT3 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00002525-T01

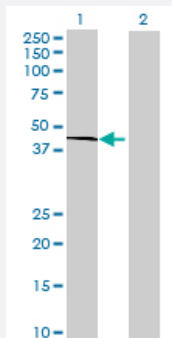
Size 100 uL

Applications



SDS-PAGE Gel

FUT3 transfected lysate.



Western Blot

Lane 1: FUT3 transfected lysate (42.1 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-FUT3 full-length

Host Human

Theoretical MW (kDa) 39.82

Quality Control Testing Transient overexpression cell lysate was tested with Anti-FUT3 antibody ([H00002525-B01](#)) by Western Blots.
 SDS-PAGE Gel
 FUT3 transfected lysate.
 Western Blot
 Lane 1: FUT3 transfected lysate (42.1 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — FUT3

Entrez GeneID	2525
GeneBank Accession#	NM_000149.1
Protein Accession#	NP_000140.1
Gene Name	FUT3
Gene Alias	CD174, FT3B, FucT-III, LE, Les, MGC131739
Gene Description	fucosyltransferase 3 (galactoside 3(4)-L-fucosyltransferase, Lewis blood group)
Omim ID	111100
Gene Ontology	Hyperlink

Gene Summary	The Lewis histo-blood group system comprises a set of fucosylated glycosphingolipids that are synthesized by exocrine epithelial cells and circulate in body fluids. The glycosphingolipids function in embryogenesis, tissue differentiation, tumor metastasis, inflammation, and bacterial adhesion. They are secondarily absorbed to red blood cells giving rise to their Lewis phenotype. This gene is a member of the fucosyltransferase family, which catalyzes the addition of fucose to precursor polysaccharides in the last step of Lewis antigen biosynthesis. It encodes an enzyme with alpha(1,3)-fucosyltransferase and alpha(1,4)-fucosyltransferase activities. Mutations in this gene are responsible for the majority of Lewis antigen-negative phenotypes. Multiple alternatively spliced variants, encoding the same protein, have been found for this gene. [provided by RefSeq]
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Other Designations	Lewis FT alpha-(1,3/1,4)-fucosyltransferase blood group Lewis alpha-4-fucosyltransferase fucosyltransferase 3 galactoside 3(4)-L-fucosyltransferase
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Pathway

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

- [Metabolic pathways](#)

Disease

- [Asthma](#)
- [Atherosclerosis](#)
- [Breast Neoplasms](#)
- [Caliciviridae Infections](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Coronary Disease](#)
- [Cystic fibrosis](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Helicobacter Infections](#)
- [Lymphatic Metastasis](#)
- [Obesity](#)
- [Peptic Ulcer](#)
- [Pseudomonas Infections](#)
- [Stomach Neoplasms](#)
- [Stomach Ulcer](#)
- [Thrombosis](#)