

Recombinant Human FUT1 Protein, His-tagged

Cat. No. FUT1-1533H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FUT1 Protein (Trp149-Pro365) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Trp149-Pro365
Description	This gene encodes 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 synthesis of soluble A and B antigens. This is one of two genes encoding the galactoside 2-L-fucosyltransferase enzyme. Mutations in this gene are a cause of the H-Bombay blood group.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.6 kDa Accurate Molecular Mass: 29 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

FUT1 fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase, H blood group)
[Homo sapiens (human)]

Official Symbol

FUT1

Synonyms

FUT1; fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase, H blood group); fucosyltransferase 1 (galactoside 2 alpha L fucosyltransferase), fucosyltransferase 1 (galactoside 2 alpha L fucosyltransferase, Bombay phenotype included), H, HSC; galactoside 2-alpha-L-fucosyltransferase 1; alpha(1,2)FT 1; 2-alpha-L-fucosyltransferase; alpha (1,2) fucosyltransferase; blood group H alpha 2-fucosyltransferase; GDP-L-fucose:beta-D-galactoside 2-alpha-L-fucosyltransferase 1; fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase); H; HH; HSC;

Gene ID

2523

mRNA Refseq

NM_000148

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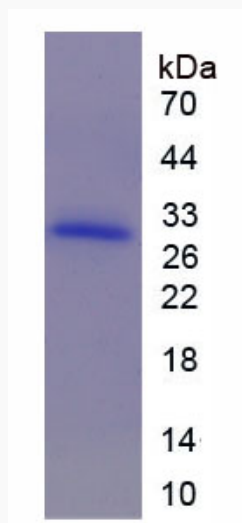
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Protein Refseq NP_000139

MIM 211100

UniProt ID P19526



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