

Recombinant Human FUT2 Protein, His-tagged

Cat. No. FUT2-1536H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FUT2 Protein (Gln29-His343) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gln29-His343
Description	This gene is one of two encoding the galactoside 2-L-fucosyltransferase enzyme. The encoded protein is important for the final step in the soluble ABO blood group antigen synthesis pathway. It is also involved in cell-cell interaction, cell surface expression, and cell proliferation. Mutations in this gene are a cause of the H-Bombay blood group where red blood cells lack the H antigen.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 39.4 kDa Accurate Molecular Mass: 40 kDa
Purity	> 90%
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

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

FUT2 fucosyltransferase 2 (secretor status included) [Homo sapiens (human)]

Official Symbol

FUT2

Synonyms

FUT2; fucosyltransferase 2 (secretor status included); SE; galactoside 2-alpha-L-fucosyltransferase 2; alpha (1, 2) fucosyltransferase; alpha(1, 2)FT2; galactoside 2 alpha L fucosyltransferase 2; GDP L fucose:beta D galactoside 2 alpha L fucosyltransferase 2; Se2; SEC2; secretor blood group alpha 2 fucosyltransferase; secretor factor; sej; alpha(1,2)FT2; alpha(1,2)FT 2; alpha (1,2) fucosyltransferase; secretor blood group alpha-2-fucosyltransferase; GDP-L-fucose:beta-D-galactoside 2-alpha-L-fucosyltransferase 2; B12QTL1;

Gene ID

2524

mRNA Refseq

NM_000511

Protein Refseq

NP_000502

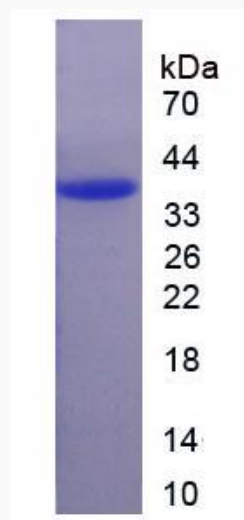
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MIM 182100

UniProt ID Q10981



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