

Recombinant Human FUT1 Protein, His-tagged

Cat. No. FUT1-4559H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein from the full-length sequence of Homo sapiens fucosyltransferase 1 (H blood group) (FUT1), transcript variant 1 (NM_000148), with a His tag was expressed in human cells.
Species	Human
Source	Human Cells
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.
Molecular Mass	41.1 kDa
Endotoxin	< 0.1 ng/μg of protein (<1EU /μg)
Purity	> 90% by SDS-PAGE gel and Coomassie Blue staining
Applications	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies; For research & development use only!
Storage Buffer	Purified protein formulated in a sterile solution of PBS buffer, pH7.2, without any preservatives

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GENE INFORMATION

Gene Name	FUT1 fucosyltransferase 1 (H blood group) [Homo sapiens (human)]
Official Symbol	FUT1
Synonyms	FUT1 fucosyltransferase 1 (H blood group); H; HH; HSC; galactoside alpha-(1,2)-fucosyltransferase 1; GDP-L-fucose:beta-D-galactoside 2-alpha-L-fucosyltransferase 1; H glycosyltransferase; H glycosyltransferase; alpha(1,2) fucosyltransferase 1; alpha(1,2)FT 1; blood group H alpha 2-fucosyltransferase; galactoside 2-L-fucosyltransferase enzyme; galactoside 2-alpha-L-fucosyltransferase; nonfunctional fucosyltransferase 1; truncated FUT1; truncated alpha(1,2)fucosyltransferase; truncated fucosyltransferase 1; type 1 galactoside alpha-(1,2)-fucosyltransferase FUT1; type 2 galactoside alpha-(1,2)-fucosyltransferase FUT1; EC 2.4.1.344; EC 2.4.1.69
Gene ID	2523
mRNA Refseq	NM_000148
Protein Refseq	NP_000139
MIM	211100
UniProt ID	P19526

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