

Recombinant Human FUT9 Protein (AA 39-359), N-6×His/GFP tagged

Cat. No. FUT9-30H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FUT9 Protein (AA 39-359) with N-6×His/GFP tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	AA 39-359
Description	The protein encoded by this gene belongs to the glycosyltransferase family. It is localized to the golgi, and catalyzes the last step in the biosynthesis of Lewis X (LeX) antigen, the addition of a fucose to precursor polysaccharides. This protein is one of the few fucosyltransferases that synthesizes the LeX oligosaccharide (CD15) expressed in the organ buds progressing in mesenchyma during embryogenesis. It is also responsible for the expression of CD15 in mature granulocytes. A common haplotype of this gene has also been associated with susceptibility to placental malaria infection.
Molecular Mass	~70 kDa
AA Sequence	SPMESASSVLKMKNNFFSTKTDYFNETTILVWVWPFQQTDFDLTSCQAMFNIQGCHLT TDRSLYNKSHAVLIHHRDISWDLTNLPQQARPPFQKWIWMNLESPTHTPQKSGIEHL FNLTLTYRRDSDIQVPYGFLLTVSTNPFVFEVPSKEKLCWVVSNNWNPEHARVKYYN ELSKSIEIHTYGQAFGEYVNDKNLIPTISACKFYLSFENSIHKDYITEKLYNAFLAGSVP

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	VVLGPSRENYENYIPADSFIVHVEDYNSPSELAKYLKEVDKNNKLYLSYFNWRKDFTV NLPRFWESHACLACDHVKRHHQEYKSVGNNLEKWFVN
Purity	>95%, by SDS-PAGE as visualized by Coomassie Blue Staining
Stability	6 months if stored at -80 centigrade. Avoid repeated freeze thaws.
Concentration	1 mg/mL
Storage Buffer	Supplied as a 0.2 µm filtered solution in 20mM HEPES pH 7.0 and 100mM NaCl buffer, with 10% Glycerol.
Preservative	0.05 % NaN ₃
Shipping	This product is shipped as 0.2µm filtered product on dry ice.

GENE INFORMATION

Gene Name	FUT9 fucosyltransferase 9 (alpha (1,3) fucosyltransferase) [Homo sapiens (human)]
Official Symbol	FUT9
Synonyms	fucosyltransferase 9 (alpha (1,3) fucosyltransferase); 4020; Ensembl:ENSG00000172461; alpha-(1,3)-fucosyltransferase; fucT-IX; fucosyltransferase IX; galactoside 3-L-fucosyltransferase; 2.4.1.152; Fuc-TIX
Gene ID	10690
mRNA Refseq	NM_006581.3
Protein Refseq	NP_006572

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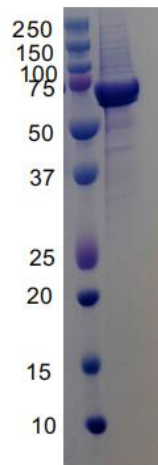
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MIM 606865

UniProt ID Q9Y231

SDS-PAGE



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