

Active Recombinant Human FUT8 Protein (AA 41-575), N-6×His/GFP tagged

Cat. No. FUT8-31H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FUT8 Protein (AA 41-575) with N-6×His/GFP tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	AA 41-575
Description	This gene encodes an enzyme belonging to the family of fucosyltransferases. The product of this gene catalyzes the transfer of fucose from GDP-fucose to N-linked type complex glycopeptides. This enzyme is distinct from other fucosyltransferases which catalyze alpha1-2, alpha1-3, and alpha1-4 fucose addition. The expression of this gene may contribute to the malignancy of cancer cells and to their invasive and metastatic capabilities. Alternative splicing results in multiple transcript variants.
Bio-activity	≥10.3 μmol/min/mg
Molecular Mass	~75-80 kDa
AA Sequence	RELSKILAKLERLKQQNEDLRRMAESLRIPEGPIDQGPAIGRVRVLEEQLVKAKEQIE NKKQTRNGLGKDHEILRRRIENGAKELWFFLQSELKKLKNLEGNELQRHADEFLLDL GHHERSIMTDLYYLSQTDGAGDWREKEAKDLTELQRRITYLQNPKDCSKAKKLVC NINKGCGYGCQLHHVVYCFMIAYGTQRTLILESQNWRYATGGWETVFRPVSETCTD

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RSGISTGHWSGEVKDKNVQVVELPIVDSLHPRPPYLPLAVPEDLADRLVRVHGDPA
VWWVSQFVKYLIRPQPWLEKEIEEATKKLGFKHPVIGVHVRRTDKVGTEAAFHPIEE
YMHVVEEHFQLLARRMQVDKKRVYLATDDPSLLKEAKTKYPNYEFISDNSISWSAGL
HNRYTENSRLRGVILDIHFLSQADFLVCTFSSQVCRVAYEIMQTLHPDASANFSLDDI
YYFGGQNAHNQIAIYAHQPRTADEIPMEPGDIIGVAGNHWDGYSGKGVNRKLGRTGL
YPSYKVREKIETVKYPTYPEAEK

Purity

>95%, by SDS-PAGE under reducing conditions and visualized by Coomassie Blue stain.

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 % NaN₃

Shipping

This product is shipped as 0.2µm filtered product on dry ice.

GENE INFORMATION

Gene Name

FUT8 fucosyltransferase 8 (alpha (1,6) fucosyltransferase) [Homo sapiens (human)]

Official Symbol

FUT8

Synonyms

FUT8; fucosyltransferase 8 (alpha (1,6) fucosyltransferase); alpha-(1,6)-fucosyltransferase; alpha1-6FucT; glycoprotein 6-alpha-L-fucosyltransferase; GDP-fucose--glycoprotein fucosyltransferase; GDP-L-Fuc:N-acetyl-beta-D-glucosaminide alpha1,6-fucosyltransferase; MGC26465;

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Gene ID	2530
mRNA Refseq	NM_178155
Protein Refseq	NP_835368
MIM	602589
UniProt ID	Q9BYC5

SDS-PAGE
