

## Product datasheet for **TP312345M**

### **FUT8 (NM\_178154) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human fucosyltransferase 8 (alpha (1,6) fucosyltransferase) (FUT8), transcript variant 2, 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC212345 representing NM_178154 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MRPWTGSWRWIMLILFAWGTLFLFYIGGHLVRDNDHPDHSSRELSKILAKLERLKQQNEDLRRMAESLRIP  
EGPIDQGPAGRVRVLEEQLVKAKEQIENYKKQTRNGLGKDHEILRRRIENGAKELWFFLQSELKKLKLN  
EGNELQRHADEFLLDLGHHERSIMTDLYLSQTDGAGDWREKEAKDLTELQRRITYLQNPKDCSKAKKL  
VCNINKGCGYGCQLHHVWYCFMAYGTQRTLILESQNWRYATGGWETVFRPVSETCTDRSGISTGHWSGE  
VKDKNVQVVELPIVDSLHPRPPYLPLAVPEDLADRLVRVHGDPAVWWVSQFVKYLIRPQPWLEKEIEEAT  
KKLGFKHPVIGVHVRRTDKVGTEAAFHPIEEYMVHVEEHFQLLARRMQVDKRVYLATDDPSLLKEAKTK  
YPNYEFISDNSISWSAGLHNRYTENSLRGVILDIHFLSQADFLVCTFSSQVCRVAYEIMQTLHPDASANF  
HSLDDIYFGGQNAHNQIAIYAHQPRTADEIPMEPGDIIGVAGNHWDGYSKGVNRKLGRTGLPSYKVVRE  
KIETVKYPTYPEAEK

**SGP**TRTRRLE**QKLISEEDLAANDILDYKDDDDK**V

<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	66.3 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.



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**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_835367](#)

**Locus ID:** 2530

**UniProt ID:** [Q9BYC5](#)

**RefSeq Size:** 3291

**Cytogenetics:** 14q23.3

**RefSeq ORF:** 1725

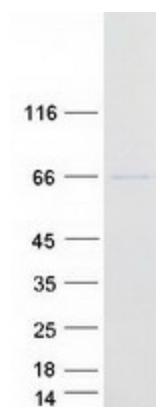
**Synonyms:** MGC26465

**Summary:** 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. [provided by RefSeq, May 2011]

**Protein Families:** Transmembrane

**Protein Pathways:** Keratan sulfate biosynthesis, Metabolic pathways, N-Glycan biosynthesis

### Product images:



Coomassie blue staining of purified FUT8 protein (Cat# [TP312345]). The protein was produced from HEK293T cells transfected with FUT8 cDNA clone (Cat# [RC212345]) using MegaTran 2.0 (Cat# [TT210002]).