

Product datasheet for **TP323075**

FUT8 (NM_178155) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human fucosyltransferase 8 (alpha (1,6) fucosyltransferase) (FUT8), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC223075 representing NM_178155 Red =Cloning site Green =Tags(s)

MRPWTGSWRWIMLILFAWGTLLFYIGGHLVRDNDHPDHSSRELSKILAKLERLKQQNEDLRRMAESLRIP
EGPIDQGPAGRVRVLEEQLVKAKEQIENYKKQTRNGLGKDHEILRRRIENGAKELWFFLQSELKKLKLN
EGNELQRHADEFLLDLGHHERSIMTDLYLSQTDGAGDWREKEAKDLTELQRRITYLQNPKDCSKAKKL
VCNINKGCGYGCQLHHVYCFMIAYGTQRTLILESQNWRYATGGWETVFRPVSETCTDRSGISTGHWSGE
VKDKNVQVVELPIVDSLHPRPPYLPLAVPEDLADRLVRVHGDPVWVWSQFVKYLIRPQPWLEKEIEEAT
KKLGFKHPVIGVHVRRTDKVGTEAAFHPIEEYMVHVEEHFQLLARRMQVDKRRVYLATDDPSLLKEAKTK
YPNYEFISDNSISWSAGLHNRYTENSRLRGVILDIHFLSQADFLVCTFSSQVCRVAYEIMQTLHPDASANF
HSLDDIYFGGQNAHNQIAIYAHQPRTADEIPMEPGDIIGVAGNHWDGYSKGVNRKLGRTGLPSYKVVRE
KIETVKYPTYPEAEK

SGPTRTRRLE**QKLISEEDLAANDILDYKDDDDK**V

Tag:	C-Myc/DDK
Predicted MW:	66.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	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_835368](#)

Locus ID: 2530

UniProt ID: [Q9BYC5](#), [Q546E0](#), [A8K8P8](#)

RefSeq Size: 3775

Cytogenetics: 14q23.3

RefSeq ORF: 1725

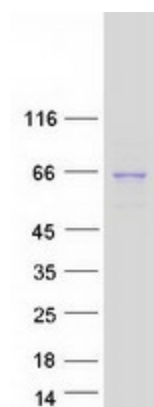
Synonyms: CDGF; CDGF1

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# TP323075). The protein was produced from HEK293T cells transfected with FUT8 cDNA clone (Cat# [RC223075]) using MegaTran 2.0 (Cat# [TT210002]).