

Recombinant Human FUT8 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. FUT8-6301H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FUT8 MS Standard C13 and N15-labeled recombinant protein (NP_835368) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	66.3 kDa
AA Sequence	MRPWTGSWRWIMLILFAWGTLIFYIGGHLVRDNDHPDHSSRELSKILAKLERLKQQ NEDLRRMAESLRIDEGPIDQGPAIGRVRVLEEQLVKAKEQIENYKKQTRNGLGKDHEI LRRRIENGAKELWFFLQSELKKLKNLEGNELQRHADEFLLDLGHHERSIMTDLYLS QTDGAGDWREKEAKDLTELVQRRITYLQNPKDCSKAKKLVKNINKGCGYGCQLHHV VYCFMIAYGTQRTLILESQNWRYATGGWETVFRPVSETCTDRSGISTGHWSGEVKD KNVQVVELPIVDSLHPRPPYLPLAVPEDLADRLVRVHGDPVAVWWWVSQFVKYLIRPQP WLEKEIEEATKKLGFKHPVIGVHVRRTDKVGTEAAFHPIEEYMHVVEEHFQLLARM

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QVDKKRVYLATDDPSLLKEAKTKYPNYEFISDNSISWSAGLHNRYTENSRLRGVILDIH
 FLSQADFLVCTFSSQVCRVAYEIMQTLHPDASANFHSLLDDIYYFGGQNAHNQIAIYAH
 QPRTADEIPMEPGDIIGVAGNHWDGYSKGVNRKLGRTGLYPSYKVREKIETVKYPTY
 PEAESGPTRRTRRLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name FUT8 fucosyltransferase 8 [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;

Gene ID 2530

mRNA Refseq NM_178155

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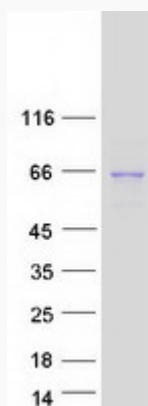
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Protein Refseq NP_835368

MIM 602589

UniProt ID Q9BYC5

SDS-PAGE



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