

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

**Cat. No.** FUT8-5111H    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

FUT8 MS Standard C13 and N15-labeled recombinant protein (NP\_835367) 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

MRPWTGSWRWIMLILFAWGTLFFYIGGHLVRDNDHPDHSSRELSKILAKLERLKQQ  
 NEDLRRMAESLRPEGPIDQGPAIGRVRVLEEQLVKAKEQIENYKKQTRNGLGKDHEI  
 LRRRIENGAKELWFFLQSELKKLKNLEGNELQRHADEFLLDLGHHERSIMTDLYYLS  
 QTDGAGDWREKEAKDLTELVQRRITYLQNPKDCSKAKKLVNINKGCGYGCQLHHV  
 VYCFMIAYGTQRTLILESQNWRYATGGWETVFRPVSETCTDRSGISTGHWSGEVKD  
 KNVQVVELPIVDSLHPRPPYLPLAVPEDLADRLVRVHGDPVWVWSQFVKYLIRPQP  
 WLEKEIEEATKKLGFKHPVIGVHVRRTDKVGTEAAFHPIEEYMHVVEEHFQLLARM

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QVDKKRVYLATDDPSSLKEAKTKYPNYEFISDNSISWSAGLHNRYTENSRLRGVILDIH  
 FLSQADFLVCTFSSQVCRVAYEIMQTLHPDASANFHSLDDIYYFGGQNAHNQIAIYAH  
 QPRTADEIPMEPGDIIGVAGNHWDGYSKGVNRKLGRTGLYPSYKVKREKIETVKYPTY  
 PEAESGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

**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\_178154

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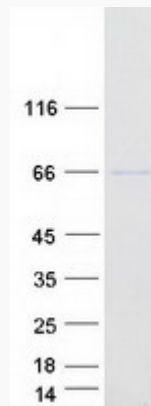
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**Protein Refseq**      NP\_835367

**MIM**                    602589

**UniProt ID**            Q9BYC5

**SDS-PAGE**



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