

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	MRPWTGSWRWIMLILFAWGTLFFYIGGHLVRDNDHPDHSSRELSKILAKLERLKQQ NEDLRRMAESLRPEGPIDQGPAIGRVRVLEEQLVKAKEQIENYKKQTRNGLGKDHEI LRRRIENGAKELWFFLQSELKCLKNLEGNELQRHADEFLLDLGHHERSIMTDLYLS QTDGAGDWREKEAKDLTELVQRRITYLQNPKDCSKAKKLVKNINKGCGYGCQLHHV VYCFMIAYGTQRTLILESQNWRYATGGWETVFRPVSETCTDRSGISTGHWSGEVKD KNVQVVELPIVDSLHPRPPYLPLAVPEDLADRLVRVHGDPVWVWSQFVKYLIRPQP WLEKEIEEATKKLGFKHPVIGVHVRRTDKVGTEAAFHPIEEYMHVVEEHFQLLARM

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QVDKKRVYLATDDPSSLKEAKTKYPNYEFISDNSISWSAGLHNRYTENSRLRGVILDIH
 FLSQADFLVCTFSSQVCRVAYEIMQTLHPDASANFHSLDDIYYFGGQNAHNQIAIYAH
 QPRTADEIPMEPGDIIGVAGNHWDGYSKGVNRKLGRTGLYPSYKVREKIETVKYPTY
 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_178155](#)

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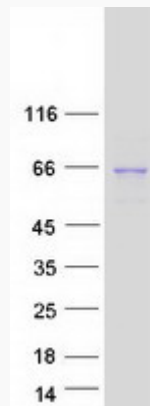
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Protein Refseq NP_835368

MIM 602589

UniProt ID Q9BYC5

SDS-PAGE



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