

Product datasheet for PH312345

FUT8 (NM_178154) Human Mass Spec Standard

Product data:

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| Product Type: | Mass Spec Standards |
| Description: | FUT8 MS Standard C13 and N15-labeled recombinant protein (NP_835367) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC212345 |
| Predicted MW: | 66.3 kDa |
| Protein Sequence: | >RC212345 representing NM_178154 Red=Cloning site Green=Tags(s) |

MRPWTGSWRWIMLILFAWGTLFLFYIGGHLVRDNDHPDHSSRELSKILAKLERLKQQNEDLRRMAESLRIP
EGPIDQGPAIGRVRVLEEQLVKAKEQIENYKKQTRNGLGKDHEILRRRIENGAKELWFFLQSELKKLKNL
EGNELQRHADEFLLDLGHHERSIMTDLYLSQTDGAGDWREKEAKDLTELVQRRITYLQNPKDCSKAKKL
VCNINKGCGYGCQLHHVVYCFMIAYGTRTLILESQNWRYATGGWETVFRPVSETCTDRSGISTGHWSGE
VKDKNVQVVELPIVDSLHPRPPYLPLAVPEDLADRLVRVHGDPVWVVSQFVKYLIRPQPWLEKEIEEAT
KKLGFKHPVIGVHVRRTDKVGTEAAFHPIEEYMHVVEEHFQLARRMQVDKRVYLATDDPSLLKEAKTK
YPNYEFISDNSISWSAGLHNRYTENSRLGVILDIHFLSQADFLVCTFSSQVCRVAYEIMQTLHPDASANF
HSLDDIYFYGQNAHNQIAIYAHQPRTADEIPMEPGDIIGVAGNHWGYSKGVNRKLGRTGLYPSYKVRE
KIETVKYPTYPEAEK

SGP TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

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| Tag: | C-Myc/DDK |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Labeling Method: | Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3 |
| Storage: | Store at -80°C. Avoid repeated freeze-thaw cycles. |
| Stability: | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| RefSeq: | NP_835367 |
| RefSeq Size: | 3291 |
| RefSeq ORF: | 1725 |



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Synonyms: MGC26465

Locus ID: 2530

UniProt ID: [Q9BYC5](#)

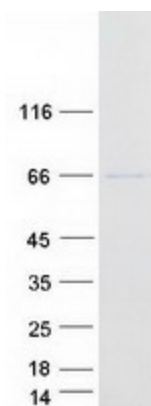
Cytogenetics: 14q23.3

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]).