

Product datasheet for PH323075

FUT8 (NM_178155) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FUT8 MS Standard C13 and N15-labeled recombinant protein (NP_835368)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223075
Predicted MW:	66.3 kDa
Protein Sequence:	>RC223075 representing NM_178155 Red =Cloning site Green =Tags(s)

MRPWTGSWRWIMLILFAWGTLIFYIGGHLVRDNDHPDHSSRELSKILAKLERLKQQNEDLRRMAESLRIP
EGPIDQGPAIGRVRVLEEQLVKAKEQIENYKKQTRNGLGKDHEILRRRIENGAKELWFFLQSELKKLKNL
EGNELQRHADEFLLDLGHHERSIMTDLYLSQTDGAGDWREKEAKDLTELVQRRITYLQNPKDCSKAKKL
VCNINKGCGYGCQLHHVYCFMIAYGTRTLILESQNWRYPATGGWETVFRPVSETCTDRSGISTGHWSGE
VKDKNVQVVELPIVDSLHPRPPYLPLAVPEDLADRLVRVHGDPVWVVSQFVKYLIRPQPWLEKEIEEAT
KKLGFKHPVIGVHVRRTDKVGTEAAFHPIEEYMHVVEEHFQLARRMQVDKRVYLATDDPSLLKEAKTK
YPNYEFISDNSISWSAGLHNRYTENSRLGVILDIHFLSQADFLVCTFSSQVCRVAYEIMQTLHPDASANF
HSLDDIYYFGGQNAHNQIAIYAHQPRTADEIPMEPGDIIGVAGNHWGYSKGVNRKLGRTGLYPSYKRVRE
KIETVKYPTYPEAEK

SGPTRTRRLEQKLI SEEDLAANDILDYKDDDDKV

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_835368
RefSeq Size:	3775
RefSeq ORF:	1725



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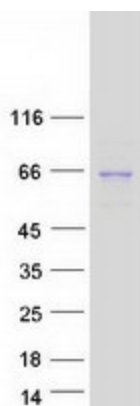
Synonyms: CDGF; CDGF1
Locus ID: 2530
UniProt ID: [Q9BYC5](#), [Q546E0](#), [A8K8P8](#)
Cytogenetics: 14q23.3

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