

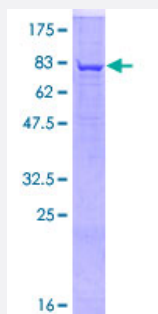
Full-Length

FUT8 (Human) Recombinant Protein (P01)

Catalog # H00002530-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human FUT8 full-length ORF (NP_835367.1, 1 a.a. - 575 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRPWTGSRWIMLILFAWGTLIFYIGGHLVRDNDHPDHSSRELSKILAKLERLKQQNEDLRRMAE
SLRIPEGPIDQGPAIGRVRVLEEQLVKAKEQIENYKKQTRNGLGKDHEILRRRIENGAKELWFFLQS
ELKKLKNLEGNELQRHADEFLLDLGHHERSIMTDLYLSQTDGAGDWREKEAKDLTELVQRRITYL
QNPKDCSKAKKLVCNINKGCGYGCQLHHVVYCFMAYGTQRTLILESQNWRYATGGWETVFRPVS
ETCTDRSGISTGHWSGEVKDKNVQVVELPMDSLHPRPPYLPLAVPEDLADRLVRVHGDPAVWW
VSQFVKYLIRQPWLEKEIEEATKKLGFKHPVIGVHVRRTDKVGTEAAFHPIEEYMHVVEEHFQLL
ARRMQVDKKRVYLATDDPSLLKEAKTKYPNYEFISDNSISWSAGLHNRYTENSRLRGVLDIHFLSQA
DFLVCTFSSQVCRVAYEIMQTLHPDASANFHSLLDDIYFGGQNAHNQAIYAHQPRTADEIPMEPG
DIIGVAGNHWDGYSGVNRKLGRTGLYPSYKVREKIETVKYPTYPEAEK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

92.9

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — FUT8

Entrez GeneID[2530](#)**GeneBank Accession#**[NM_178154.1](#)**Protein Accession#**[NP_835367.1](#)**Gene Name**

FUT8

Gene Alias

MGC26465

Gene Description

fucosyltransferase 8 (alpha (1,6) fucosyltransferase)

Omim ID[602589](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This enzyme belongs 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. Alternatively spliced variants encoding different isoforms have been identified. [provided by RefSeq]

Other Designations

GDP-L-Fuc:N-acetyl-beta-D-glucosaminide alpha1,6-fucosyltransferase|GDP-fucose--glycoprotein fucosyltransferase|alpha1-6FucT|fucosyltransferase 8|glycoprotein 6-alpha-L-fucosyltransferase

Pathway

- [Keratan sulfate biosynthesis](#)
- [Metabolic pathways](#)
- [N-Glycan biosynthesis](#)

Disease

- [Tobacco Use Disorder](#)