

Recombinant Rat Fut1 Protein, His-tagged

Cat. No. Fut1-1535R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Fut1 Protein (Thr140-Ala376) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Thr140-Ala376
Description	Predicted to enable galactoside 2-alpha-L-fucosyltransferase activity. Predicted to be involved in several processes, including positive regulation of endothelial cell migration; positive regulation of endothelial cell-matrix adhesion via fibronectin; and positive regulation of sprouting angiogenesis. Predicted to be located in Golgi cisterna membrane. Predicted to be integral component of membrane. Orthologous to human FUT1 (fucosyltransferase 1 (H blood group)).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31 kDa Accurate Molecular Mass: 31 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

 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

Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Fut1 fucosyltransferase 1 [Rattus norvegicus (Norway rat)]
Official Symbol	Fut1
Synonyms	FUT1; fucosyltransferase 1; galactoside 2-alpha-L-fucosyltransferase 1; alpha(1,2)FT 1; alpha 12-fucosyltransferase; alpha12-fucosyltransferase a; alpha 1,2-fucosyltransferase A; GDP-L-fucose:beta-D-galactoside 2-alpha-L-fucosyltransferase 1; fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase); Futa;
Gene ID	81919
mRNA Refseq	NM_031236
Protein Refseq	NP_112515
UniProt ID	Q10980

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