

Recombinant Human GFUS Protein, His-tagged

Cat. No. GFUS-15H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GFUS protein (2-321) with a N-terminal His-tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	2-321
Description	Tissue specific transplantation antigen P35B is a NADP(H)-binding protein. It catalyze the two-step epimerase and the reductase reactions in GDP-D-mannose metabolism, converting GDP-4-keto-6-D-deoxymannose to GDP-L-fucose. GDP-L-fucose is the substrate of several fucosyltransferases involved in the expression of many glycoconjugates, including blood group ABH antigens and developmental adhesion antigens. Mutations in this gene may cause leukocyte adhesion deficiency, type II.
Form	50 mM HEPES, pH 8.0, with 150 mM sodium chloride and 10% glycerol
Molecular Mass	37.98 kDa
Purity	≥90% estimated by SDS-PAGE
Applications	WB, ELISA
Stability	≥ 1 year

 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

Storage Store at -80 centigrade

GENE INFORMATION

Gene Name GFUS GDP-L-fucose synthase [Homo sapiens (human)]

Official Symbol GFUS

Synonyms GFUS; GDP-L-fucose synthase; FX; P35B; TSTA3; SDR4E1; GDP-L-fucose synthase; 3-5 epimerase/4-reductase; GDP-4-keto-6-deoxy-D-mannose epimerase-reductase; GDP-4-keto-6-deoxy-D-mannose-3,5-epimerase-4-reductase; red cell NADP(H)-binding protein; short chain dehydrogenase/reductase family 4E, member 1; testis tissue sperm-binding protein Li 45a; tissue specific transplantation antigen 3; tissue specific transplantation antigen P35B

Gene ID 7264

mRNA Refseq NM_001317783

Protein Refseq NP_001304712

MIM 137020

UniProt ID Q13630

 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

SDS-PAGE of GFUS



Lane 1: MW Markers, Lane 2: GDP-L-Fucose Synthase (8 µg), Lane 3: GDP-L-Fucose Synthase (4 µg), Lane 4: GDP-L-Fucose Synthase (2 µg). Representative gel image shown; actual purity may vary between each batch.

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