Recombinant Human GFUS Protein, His-tagged

Cat. No. GFUS-026H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant N-terminal histidine-tagged human GDP-L-fucose synthase (2-321) was purified from 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.
Molecular Mass	37.98 kDa
Purity	≥90% as determined by SDS-PAGE
Stability	≥ 6 months
Storage	At -80 centigrade.
Storage Buffer	50 mM HEPES, pH 8.0, with 150 mM sodium chloride and 10% glycerol

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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; EC 1.1.1.271
Gene ID	7264
mRNA Refseq	NM_003313
Protein Refseq	NP_003304
MIM	137020
UniProt ID	Q13630

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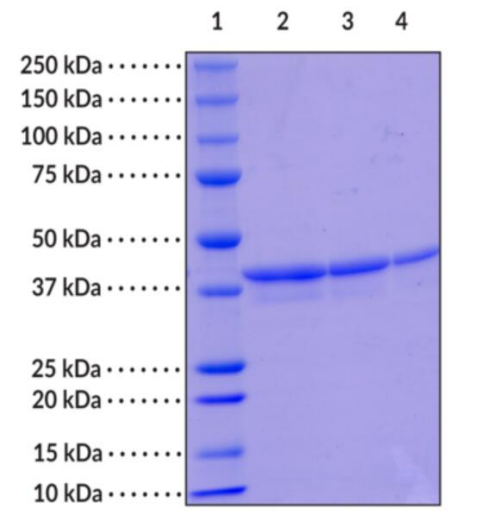
SDS-PAGE analysis of GFUS



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)

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