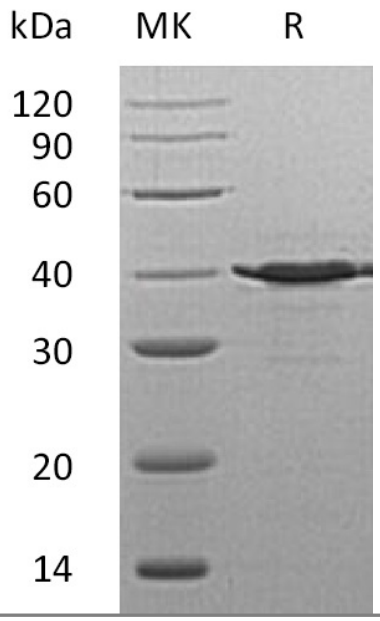
Product Name: Recombinant Human TSTA3 (C-6His)
Catalog #: PEH0726

Summary

Name	GDP-L-fucose synthase/TSTA3/SDR4E1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human GDP-L-Fucose Synthase is produced by our E.coli expression system and the target gene encoding Met1-Lys321 is expressed with a 6His tag at the C-terminus.
Accession #	Q13630
Host	E.coli
Species	Human
Predicted Molecular Mass	36.96 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



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Alternative Names

GDP-L-Fucose Synthase; GDP-4-Keto-6-Deoxy-D-Mannose-3;5-Epimerase-4-Reductase; Protein FX; Red Cell NADP(H)-Binding Protein; Short-Chain Dehydrogenase/Reductase Family 4E Member 1; TSTA3; SDR4E1

Background

GDP-L-Fucose Synthase is a NADP(H)-binding protein. It catalyzes the two-step epimerase and the reductase reactions in GDP-D-mannose metabolism, converting GDP-4-keto-6-D-dexoymannose to GDP-L-fucose. GDP-L-Fucose is the substrate of several fucosyltransferase, involving the expression of mamy glycoconjugates, including blood group ABH antigens and development adhesion antigens. Mutations in the TSTA3 gene may cause leukocyte adhesion deficiency type II.

Note

For Research Use Only , Not for Diagnostic Use.