

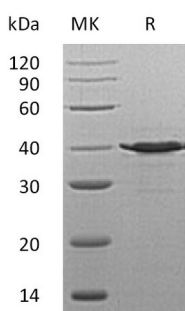
**Product Name: Recombinant Human TSTA3 (C-6His)**  
**Catalog #: PEH0726**



## Summary

<b>Name</b>	GDP-L-fucose synthase/TSTA3/SDR4E1
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	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.
<b>Accession #</b>	Q13630
<b>Host</b>	E.coli
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	36.96 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	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.
<b>Reconstitution</b>	

## SDS-PAGE image



## Background

<b>Alternative Names</b>	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
<b>Background</b>	GDP-L-Fucose Synthase is a NADP(H)-binding protein. It catalyzes the two-step

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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 many 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.