

TSTA3 Protein, Human, Recombinant (His)

General Information

Synonyms:	GDP-L-Fucose Synthase;Short-Chain Dehydrogenase/Reductase Family 4E Member 1;Red Cell NADP(H)-Binding Protein;TSTA3;GDP-4-Keto-6-Deoxy-D-Mannose-3;Protein FX;5-Epimerase-4-Reductase;SDR4E1
Protein Construction:	Met1-Lys321
Species:	Human
Expression Host:	E. coli
Accession:	Q13630
Molecular Weight:	40 KDa (reducing condition)
AA Sequence:	Met1-Lys321

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, pH 8.0.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein 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 many glycoconjugates, including blood group ABH antigens and development adhesion antigens. Mutations in the TSTA3 gene may cause leukocyte adhesion deficiency type II.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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