

Recombinant Human TSTA3/SDR4E1 Protein (His Tag)



Catalog Number:PKSH032483

Note: Centrifuge before opening to ensure complete recovery of vial contents.

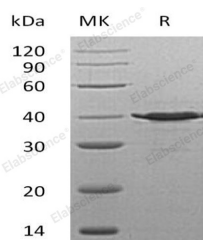
Description

Synonyms	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
Species	Human
Expression Host	E.coli
Sequence	Met 1-Lys321
Accession	Q13630
Calculated Molecular Weight	37.0 kDa
Observed molecular weight	40 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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.

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