

Recombinant Human TSTA3 Protein, His-tagged

Cat. No. TSTA3-159H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TSTA3(Met1-Lys321) fused with His tag at C-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Lys321
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.
Form	20mM Tris, 150mM NaCl, pH 8.0.
Molecular Mass	37 kDa
Endotoxin	< 0.1 EU per g protein as determined by LAL test
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining
Storage	Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of

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products under proper storage and handling conditions.

Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name TSTA3 tissue specific transplantation antigen P35B [Homo sapiens]

Official Symbol TSTA3

Synonyms

TSTA3; tissue specific transplantation antigen P35B; GDP-L-fucose synthase; FX; GDP L fucose synthase; P35B; SDR4E1; short chain dehydrogenase/reductase family 4E; member 1; 3-5 epimerase/4-reductase; red cell NADP(H)-binding protein; tissue specific transplantation antigen 3; GDP-4-keto-6-deoxy-D-mannose epimerase-reductase; GDP-4-keto-6-deoxy-D-mannose-3,5-epimerase-4-reductase; short chain dehydrogenase/reductase family 4E, member 1;

Gene ID 7264

mRNA Refseq NM_003313

Protein Refseq NP_003304

MIM 137020

UniProt ID Q13630

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