

Recombinant Human TSTA3

Cat. No. TSTA3-30306TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human TSTA3 protein, 36.9kDa.
Species	Human
Source	E.coli
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	Liquid
Storage buffer	Preservative: None Constituents: 20% Glycerol, 50mM Tris acetate, 1mM EDTA, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Full Length	Full L.

GENE INFORMATION

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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;
Gene ID	7264
mRNA Refseq	NM_003313
Protein Refseq	NP_003304
MIM	137020
Uniprot ID	Q13630
Chromosome Location	8q24.3
Pathway	Amino sugar and nucleotide sugar metabolism, organism-specific biosystem; Amino sugar and nucleotide sugar metabolism, conserved biosystem; Fructose and mannose metabolism, organism-specific biosystem; Fructose and mannose metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem;
Function	GDP-4-dehydro-D-rhamnose reductase activity; GDP-L-fucose synthase activity; coenzyme binding; electron carrier activity; isomerase activity;