

Recombinant Human TSTA3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TSTA3-5498H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

TSTA3 MS Standard C13 and N15-labeled recombinant protein (NP_003304) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

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.

Molecular Mass

35.9 kDa

AA Sequence

MGEPQGSMRILVTGGGSLVGKAIQKVADGAGLPGEDWVSVSSKDADLDTAQTR
 ALFEKVQPTHVIHLAAMVGGFLFRNIKYNLDFWRKNVHMNDNLHSAFEVGARKVVS
 CLSTCIFPDKTTYPIDETMIHNGPPHNSNFGYSYAKRMIDVQNRAYFQQYGCTFTAVI
 PTNVFGPHDNFNIEDGHVLPGLIHKVHLAKSSGSALTVWGTGNPRRQFIYSLDLAQL
 FIWVLREYNEVEPIILSVGEEDEVSIKEAAEAVVEAMDFHGEVTFDTTKSDGQFKKTA
 SNSKLRTYLPDFRFTPFKQAVKETCAWFTDNYEQARKTRTRPLEQKLISEEDLAAND
 ILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

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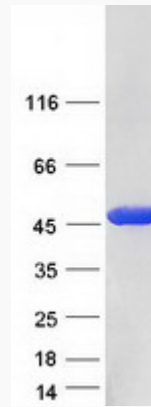
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UniProt ID

Q13630

SDS-PAGE



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