

TSTA3 recombinant protein

TSTA3, 1-321aa, Human, His tag, E Coli

CATALOG # AAA48610	HOST E Coli	APPLICATIONS SDS-Page
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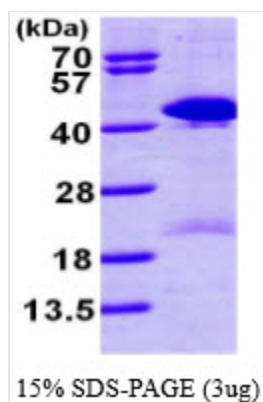
PRODUCT SYNONYMS

TSTA3; 1-321aa; Human; His tag; E Coli; GDP-L-fucose synthase; FX; P35B; SDR4E1; TSTA3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 50mM NaCl
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MGEPQGSMRI LVTGGSGLVG KAIQKVADG AGLPGEDWVF VSSKDADLTD TAQTRALFEK VQPTHVIHLA AMVGGLFRNI KYNLDFWRKN VHMNDNVLHS AFEVGARKVV SCLSTCIFPD KTTYPIDETM IHNGPPHNSN FGYSYAKRMI DVQNRAYFQQ YGCTFTAVIP TNVFGPHDNF NIEDGHVLPG LIHKVHLAKS SGSALTWGT GNPRRQFIYS LDLAQLFIWV LREYNEVEPI ILSVGEEDEV SIKEAAEAVV EAMDFHGEVT FDTTKSDGQF KKTASNSKLR TYLPDFRFTP FKQAVKETCA WFTDNYEQAR K
Sequence Length	321
Applicable Applications for TSTA3 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for TSTA3 recombinant protein	TSTA3 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-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. Recombinant human TSTA3 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for TSTA3 recombinant protein	Metabolism
References	Camardella L., et al. (1995) Blood 85 (1): 264-7; Tonetti M., et al. (1996) J. Biol. Chem. 271:27274-27279;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507709
NCBI GeneID	7264
NCBI Accession #	NP_003304
NCBI GenBank Nucleotide #	NM_003313.3
UniProt Accession #	Q13630; Q567Q9; Q9UDG7; B2R8Y7; D3DWK5
Molecular Weight	38.0 kDa (341aa) confirmed by MALDI-TOF
NCBI Official Full Name	GDP-L-fucose synthase isoform 2
NCBI Official Synonym Full Names	tissue specific transplantation antigen P35B
NCBI Official Symbol	TSTA3
NCBI Official Synonym Symbols	FX; P35B; SDR4E1
NCBI Protein Information	GDP-L-fucose synthase
UniProt Protein Name	GDP-L-fucose synthase
UniProt Gene Name	TSTA3
UniProt Synonym Gene Names	SDR4E1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.