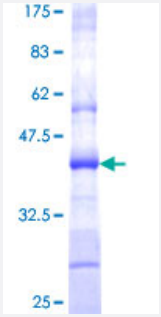
TSTA3 (Human) Recombinant Protein (Q01)

Catalog # H00007264-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human TSTA3 partial ORF (NP_003304, 222 a.a. - 321 a.a.) recombinant protein with GST-tag at N -terminal.
Sequence	DLAQLFIWVLREYNEVEPIILSVGEEDEVSIKEAAEAVVEAMDFHGEVTFDTTKSDGQFKKTASNS KLRTYLPDFRFTPFKQAVKETCAWFTDNYEQARK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TSTA3

Entrez GeneID	7264
GeneBank Accession#	NM_003313
Protein Accession#	NP_003304
Gene Name	TSTA3
Gene Alias	FX, P35B, SDR4E1
Gene Description	tissue specific transplantation antigen P35B
Omim ID	137020
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	3-5 epimerase/4-reductase|GDP-4-keto-6-deoxy-D-mannose epimerase-reductase|Tissue-specific transplantation antigen-3|short chain dehydrogenase/reductase family 4E, member 1|tissue specific transplantation antigen 3

Pathway

- Amino sugar and nucleotide sugar metabolism
- Fructose and mannose metabolism

- Metabolic pathways