

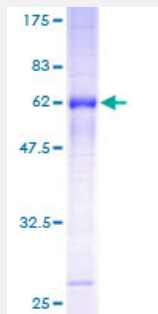
Full-Length

TACSTD2 (Human) Recombinant Protein (P01)

Catalog # H00004070-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TACSTD2 full-length ORF (AAH09409, 27 a.a. - 323 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

HTAAQDNCTCPTNKMTVCSPDGPGGRCQCRALGSGMAVDCSTLTSKCLLLKARMSAPKNARTL
VRPSEHALVDNDGLYDPDCDPEGRFKARQCNSVCWCVNSVGVRRTDKGDLRLCDELVRT
HHILIDLRHRPTAGAFNHSDLAELRRLFRERYRLHPKFVAAVHYEQPTIQIELRQNTSQKAAGDVDI
GDAAYFERDIKGESLFQGRGGLDLRVRGEPLQVERTLIYYLDEIPPKFSMKRLTAGLIAVIVVVVA
LVAGMAVLVITNRRKSGKYKKVEIKELGELRKEPSL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

58.41

Interspecies Antigen Sequence

Mouse (81); Rat (82)

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 — TACSTD2

Entrez GeneID[4070](#)**GeneBank Accession#**[BC009409](#)**Protein Accession#**[AAH09409](#)**Gene Name**

TACSTD2

Gene Alias

EGP-1, GA733, GA733-1, M1S1, TROP2

Gene Description

tumor-associated calcium signal transducer 2

Omim ID[137290 204870](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This intronless gene encodes a carcinoma-associated antigen defined by the monoclonal antibody GA733. This antigen is a member of a family including at least two type I membrane proteins. It transduces an intracellular calcium signal and acts as a cell surface receptor. Mutations of this gene result in gelatinous drop-like corneal dystrophy, an autosomal recessive disorder characterized by severe corneal amyloidosis leading to blindness. [provided by RefSeq]

Other Designations

OTTHUMP00000011755|epithelial glycoprotein-1|membrane component, chromosome 1, surface marker 1 (40kD glycoprotein, identified by monoclonal antibody GA733)