Tumor-associated calcium signal transducer 2 (TACSTD2) Active Protein | TACSTD2 active protein

Recombinant Human Tumor-associated calcium signal transducer 2 (TACSTD2), partial (Active)

CATALOG #	HOST
AAA279226	**Mammalian Cell**

PRODUCT SYNONYMS

Tumor-associated calcium signal transducer 2 (TACSTD2); Recombinant Human Tumor-associated calcium signal transducer 2 (TACSTD2); partial (Active); Cell surface glycoprotein Trop-2; Membrane component chromosome 1 surface marker 1; Pancreatic carcinoma marker protein GA733-1; TACSTD2 active protein

PRODUCT SPECIFICATIONS

Host	Mammalian Cell
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Sequence Positions	27-274aa; Partial
Sequence	HTAAQDNCTC PTNKMTVCSP DGPGGRCQCR ALGSGMAVDC STLTSKCLLL KARMSAPKNA RTLVRPSEHA LVDNDGLYDP DCDPEGRFKA RQCNQTSVCW CVNSVGVRRT DKGDLSLRCD ELVRTHHILI DLRHRPTAGA FNHSDLDAEL RRLFRERYRL HPKFVAAVHY EQPTIQIELR QNTSQKAAGD VDIGDAAYYF ERDIKGESLF QGRGGLDLRV RGEPLQVERT LIYYLDEIPP KFSMKRLT$
Species	Homo sapiens (Human)
Tag	C-terminal 10xHis-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Research Area	Cancer
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human TROP2 at 2 ug/mL can bind Anti-TROP2 recombinant antibody, the EC50 is 0.7284-1.075 ng/mL.
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

IMAGES

Bioactivity
Measured by its binding ability in a functional ELISA. Immobilized Human TROP2 at 2 ?g/mL can bind Anti-TROP2 recombinant antibody, the EC50 is 0.7284-1.075 ng/mL.

SDS-PAGE
Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

ADDITIONAL INFORMATION

Related Product Information for TACSTD2 active protein	May function as a growth factor receptor.
Product Categories/Family for TACSTD2 active protein	Active Protein & In Stock Protein
References	"A missense mutation in the M1S1 gene found in a turkish patient with gelatinous droplike corneal dystrophy."Yildirim N., Muslumanoglu H., Isiksoy S., Sahin A., Baycu C., Artan S.Cornea 26:1017-1020(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	166795236
NCBI GeneID	4070
NCBI Accession #	NP_002344.2
NCBI GenBank Nucleotide #	NM_002353.2
UniProt Accession #	P09758; Q15658; Q6FG48; Q7Z7Q4; Q96QD2
Molecular Weight	35,709 Da
NCBI Official Full Name	tumor-associated calcium signal transducer 2
NCBI Official Synonym Full Names	tumor-associated calcium signal transducer 2
NCBI Official Symbol	TACSTD2
NCBI Official Synonym Symbols	EGP1; GP50; M1S1; EGP-1; TROP2; GA7331; GA733-1
NCBI Protein Information	tumor-associated calcium signal transducer 2; epithelial glycoprotein-1; cell surface glycoprotein TROP2; cell surface glycoprotein Trop-2; pancreatic carcinoma marker protein GA7331; pancreatic carcinoma marker protein GA733-1; gastrointestinal tumor-ass
UniProt Protein Name	Tumor-associated calcium signal transducer 2
UniProt Gene Name	**TACSTD2**
UniProt Synonym Gene Names	GA733-1; M1S1; TROP2
UniProt Entry Name	TACD2_HUMAN

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.

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Online datasheet: https://stage.aaabiotech.com/mammalian-cell-active-protein/tumor-associated-calcium-signal-transducer-2-tacstd2/279226