

TROP-2 Protein, Rhesus macaque (HEK293, His)

Cat. No.:	HY-P71388
Synonyms:	Tumor-associated calcium signal transducer 2; Membrane component chromosome 1 surfacemarker 1; Cell surface glycoprotein Trop-2; TACSTD2; TROP2
Species:	Rhesus Macaque
Source:	HEK293
Accession:	XP_001114599.1 (H27-R272)
Gene ID:	716334
Molecular Weight:	38-45 kDa

PROPERTIES

AA Sequence	<p> HTAAQDNCTC PTNKMTVCSP DGGGRCQCR ALGSGVAVDC STLTSKCLLL KARMSAPKNA RTLVRPNEHA LVDNDGLYDP DCDPEGRFKA RQCNQTSVCW CVNSVGVRRT DKGDLSLRCD ELVRTHHILI DLRHRPTAGA FNHSDLDAEL RRLFRERYRL HPKFVA AVHY EQPTIQIELR QNTSQKAAGD VDIGDAAYYF ERDVKGESLF QGRGGLDLRV RGEPLQVERT LIYYLDEIPP KFSMKR </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>Tumor associated calcium signal transducer 2 (TACSTD2) is a carcinoma-associated antigen which is a cell surface receptor that transduces calcium signals. Mutations of TACSTD2 have been associated with gelatinous drop-like corneal dystrophy. TACSTD2 may also function as a growth factor receptor. TACSTD2 is involved in several processes, including negative regulation of branching involved in ureteric bud morphogenesis; negative regulation of cellular component organization; negative regulation of substrate adhesion-dependent cell spreading; positive regulation of stem cell differentiation; and</p>
-------------------	--

regulation of epithelial cell proliferation. TACSTD2 is located in several cellular components, including basal plasma membrane; extracellular space; and lateral plasma membrane.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA