

# Active Recombinant Human TACSTD2 protein, His-Avi-tagged, Biotinylated

**Cat. No.** TACSTD2-0767H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Biotinylated Recombinant Human TACSTD2 protein(Thr88-Thr274), fused with His and Avi tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	88-274 a.a.
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	Immobilized Biotinylated Human TROP-2 (88-274), His,Avitag at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate can bind Mouse Monoclonal Antibody Against Human TROP-2 Protein,Mouse IgG1 with a linear range of 0.1-4 ng/mL.
<b>Molecular Mass</b>	This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 25.1 kDa. The protein migrates as 35-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Proteinlength</b>	Thr88-Thr274
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.

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<b>Purity</b>	>90% as determined by SDS-PAGE.
<b>Storage</b>	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
<b>Conjugation</b>	Biotin

## GENE INFORMATION

<b>Gene Name</b>	TACSTD2 tumor-associated calcium signal transducer 2 [ Homo sapiens ]
<b>Official Symbol</b>	TACSTD2
<b>Synonyms</b>	TACSTD2; tumor-associated calcium signal transducer 2; M1S1; EGP 1; GA733 1; TROP2; 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-associated antigen GA7331; membrane component chromosome 1 surface marker 1; membrane component, chromosome 1, surface marker 1; 40kD glycoprotein, identified by monoclonal GA733; EGP1; GP50; EGP-1; GA7331; GA733-1;
<b>Gene ID</b>	4070
<b>mRNA Refseq</b>	NM_002353
<b>Protein Refseq</b>	NP_002344
<b>MIM</b>	137290

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