

Datasheet for ABIN7198529
TACSTD2 Protein (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	TACSTD2
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TACSTD2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse TROP2/TACSTD2 Protein (His Tag)(Active)
Sequence:	Met 1-Gln 270
Characteristics:	A DNA sequence encoding the extracellular domain of mouse TACSTD2 (Q8BGV3?) (Met 1-Gln 270) was expressed, with a C-terminal polyhistidine tag.
Purity:	> 92 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by the ability of the immobilized protein to support the adhesion of U937 human histiocytic lymphoma cells. When 5 x 10 ⁴ cells/well are added to TACSTD2-coated plates (40 µg/mL, 100 µL/well), > 50% cells will adhere after 1 hour at 37°C.

Target Details

Target:	TACSTD2
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Target Details

Alternative Name: TROP2/TACSTD2 ([TACSTD2 Products](#))

Background: TROP-2, also referred to as tumor associated calcium signal transducer 2 (TACSTD2), GA733-1 or M1S1, is a cell surface glycoprotein highly expressed in a wide variety of epithelial cancers. In contrast, there is little or no expression of Trop-2 in adult somatic tissue. Because it is a cell surface protein that is selectively expressed in tumor cells, Trop-2 is a potential therapeutic target. The cytoplasmic tail of Trop-2 possesses potential serine and tyrosine phosphorylation sites and a phosphatidyl-inositol binding consensus sequence. Trop-2 transduces an intracellular calcium signal, are consistent with the hypothesis that it acts as a cell surface receptor and support a search for a physiological ligand. TROP2 encoding by an intronless gene was originally defined by the monoclonal antibody GA733, and is a member of a family of at least two type I membrane proteins. The other known member is GA733-2, also called EpCAM and TROP1. It has been suggested by studies that the GA733-1 gene was formed by the retroposition of the GA733-2 gene via an mRNA intermediate.

Synonym: Tumor-associated calcium signal transducer 2,Tacstd2,Trop2,Cell surface glycoprotein Trop-2, TROP-2,C80403,EGP-1,GA733-1,Ly97

Molecular Weight: 29.4 kDa

UniProt: [Q8BGV3](#)

Application Details

Restrictions: For Research Use only

Handling

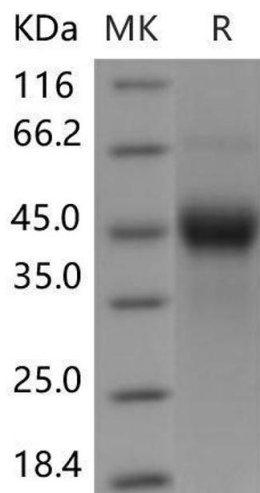
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.