

TROP-2
Catalog # PVGS1691**Specification**

TROP-2 - Product Information

Primary Accession [P09758](#)
Species
Human

Sequence
His27-Thr274

Purity
> 95% as determined by Bis-Tris PAGE
> 95% as determined by HPLC

Endotoxin Level
Less than 1 EU per µg by the LAL method.

Biological Activity
Immobilized TROP2, His, Human (Cat.No.: Z03807) at 0.5 µg/ml can bind Anti-TROP-2 Antibody.

Expression System
HEK293

Theoretical Molecular Weight
28.9 kDa

Formulation **Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4.**

Reconstitution
Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

Storage & Stability
Upon receiving, the lyophilized product remains stable up to 6 months at -20 °C or below as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

TROP-2 - Additional Information

Gene ID 4070

Other Names
Tumor-associated calcium signal transducer 2, Cell surface glycoprotein Trop-2, Membrane component chromosome 1 surface marker 1, Pancreatic carcinoma marker protein GA733-1, TACSTD2, GA733-1, M1S1, TROP2

Target Background
The protein Trop-2, encoded by the TACSTD2 gene, is involved in tumor progression. It is

overexpressed in various solid cancers including colorectal, renal, lung, and breast cancers, as well as in rare and aggressive malignancies such as salivary duct, anaplastic thyroid, uterine/ovarian, and neuroendocrine prostate cancers.

TROP-2 - Protein Information

Name TACSTD2

Synonyms GA733-1, M1S1, TROP2

Function

May function as a growth factor receptor.

Cellular Location

Membrane; Single-pass type I membrane protein.

Tissue Location

Placenta, pancreatic carcinoma cell lines.

TROP-2 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TROP-2 - Images