

# TROP-2

Catalog # PVGS1691

## Product Information

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<b>Primary Accession Species</b>	<a href="#">P09758</a> Human
<b>Sequence</b>	His27-Thr274
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
<b>Endotoxin Level</b>	Less than 1 EU per $\mu$ g by the LAL method.
<b>Biological Activity</b>	Immobilized TROP2, His, Human (Cat.No.: Z03807) at 0.5 $\mu$ g/ml can bind Anti-TROP-2 Antibody.
<b>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	28.9 kDa
<b>Formulation Reconstitution</b>	Lyophilized from 0.22 $\mu$ m filtered solution in PBS, pH 7.4. Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu$ g/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage &amp; Stability</b>	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.

## Additional Information

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<b>Gene ID</b>	4070
<b>Other Names</b>	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
<b>Target Background</b>	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.

## Protein Information

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<b>Name</b>	TACSTD2
<b>Synonyms</b>	GA733-1, M1S1, TROP2
<b>Function</b>	May function as a growth factor receptor.
<b>Cellular Location</b>	Membrane; Single-pass type I membrane protein.
<b>Tissue Location</b>	Placenta, pancreatic carcinoma cell lines.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.