

TROP-2 Protein, Human (187a.a, HEK293, Fc)

Cat. No.:	HY-P71095
Synonyms:	Tumor-associated calcium signal transducer 2; Membrane component chromosome 1 surface marker 1; Cell surface glycoprotein Trop-2; TACSTD2; TROP2
Species:	Human
Source:	HEK293
Accession:	P09758 (T88-T274)
Gene ID:	4070
Molecular Weight:	60-80 kDa

PROPERTIES

AA Sequence	<p> T L V R P S E H A L V D N D G L Y D P D C D P E G R F K A R Q C N Q T S V C W C V N S V G V R R T D K G D L S L R C D E L V R T H H I L I D L R H R P T A G A F N H S D L D A E L R R L F R E R Y R L H P K F V A A V H Y E Q P T I Q I E L R Q N T S Q K A A G D V D I G D A A Y Y F E R D I K G E S L F Q G R G G L D L R V R G E P L Q V E R T L I Y Y L D E I P P K F S M K R L T </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>The TROP-2 protein emerges as a potential growth factor receptor, suggesting its involvement in cellular processes related to growth and signaling. As a putative receptor, TROP-2 may play a crucial role in transducing signals that regulate cell growth, proliferation, and potentially other cellular functions. The specific ligands and downstream pathways associated with TROP-2-mediated growth factor signaling remain areas for further investigation. Unraveling the detailed molecular mechanisms and functional implications of TROP-2 in growth factor signaling will contribute to a comprehensive understanding of its role in cellular physiology and may open avenues for therapeutic interventions targeting this receptor.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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