

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

<b>Cat. No.:</b>	HY-P70728
<b>Synonyms:</b>	Tumor-associated calcium signal transducer 2; Membrane component chromosome 1 surface marker 1; Cell surface glycoprotein Trop-2; TACSTD2; TROP2
<b>Species:</b>	Human
<b>Source:</b>	HEK293
<b>Accession:</b>	P09758 (T88-T274)
<b>Gene ID:</b>	4070
<b>Molecular Weight:</b>	28-40 kDa

### PROPERTIES

<b>AA Sequence</b>	<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>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, 5%Trehalose, 2 mM EDTA, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	<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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