

## TROP-2 Protein, Human (HEK293, His-Avi)

<b>Cat. No.:</b>	HY-P70770
<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 (H27-T274)
<b>Gene ID:</b>	4070
<b>Molecular Weight:</b>	40-60 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>           HTAAQDNCTC    PTNKMTVCSP    DGGGRCQCR    ALGSGMAVDC            STLTSKCLLL    KARMSAPKNA    RTLVRPSEHA    LVDNDGLYDP            DCDPEGRFKA    RQCNQTSVCW    CVNSVGVRRT    DKGDLSLRCD            ELVRTHHILI    DLRHRPTAGA    FNHSDLDAEL    RRLFRERYRL            HPKFVA AVHY    EQPTIQIELR    QNTSQKAAGD    VDIGDAAYYF            ERDIKGESLF    QGRGGGLDLRV    RGEPLQVERT    LIYYLDEIPP            KFSMKRLT         </p>
<b>Biological Activity</b>	NA
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, 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. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<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>	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
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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.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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