

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

Cat. No.:	HY-P78223
Synonyms:	EGP1; EGP-1; TROP2; GA733-1; gp50; T16; TACSTD2; TROP-2; M1S1; TACD2
Species:	Human
Source:	HEK293
Accession:	P09758 (H27-T274)
Gene ID:	4070
Molecular Weight:	46-55 kDa

PROPERTIES

Biological Activity	Measured by its binding ability in a functional ELISA. When immobilized Anti-TROP-2 Antibody hFc at 0.5 µg/m (100µl/Well), can bind Biotinylated Human TROP-2 His Tag and the EC ₅₀ is 20-50 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 5% trehalose is added as protectant before lyophilization.
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.
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	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.
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Caution: Product has not been fully validated for medical applications. For research use only.

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