

TROP-2 Protein, Human, Recombinant (aa 88-274, hFc)

General Information

Synonyms:	Tumor-associated calcium signal transducer 2; TROP2; Cell surface glycoprotein Trop-2; TACSTD2; Membrane component chromosome 1 surface marker 1
Protein Construction:	Thr88-Thr274
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P09758
Molecular Weight:	60-80 KDa (reducing condition)
AA Sequence:	Thr88-Thr274

QC Testing

Biological Activity:	Immobilized Human TROP-2-Fc at 2 µg/ml (100 µl/well) can bind Anti-Human TROP-2 mAb* . *: Biotinylated by NHS-biotin prior to testing. The ED50 of Anti-Human TROP-2 mAb* is 5.16 ng/ml. (Regularly tested)
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/µg (1 EU/µg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Tumor associated calcium signal transducer 2 (TACSTD2, TROP-2) is a type I cell surface glycoprotein that is highly expressed on human carcinomas. It was originally identified as an antigen present on human gastrointestinal tumors and is the second of two members of this family. Human and mouse TROP-2 share 87% amino acid (aa) similarity. TROP-2 is capable of transducing an intracellular calcium signal and may play a role in tumor growth. It

also has adhesive functions.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481