

# Recombinant Mouse TROP2/TACSTD2 Protein (His Tag)

RPES1316

## Description

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This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Protein Information

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**SKU:** RPES1316

**Purity:** > 92 % as determined by reducing SDS-PAGE.

**Contents:** 100µg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Mouse

**Endotoxin:** < 1.0 EU per µg of the protein as determined by the LAL method.

**Synonyms:** C80403, Cell surface glycoprotein Trop-2, EGP-1, GA733-1, Ly97, TROP-2, Tacstd2, Trop2, Tumor-associated calcium signal transducer 2

**Storage:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.  
Store Bradford Reagent at Room Temperature for 1 year.

**Tag:** C-His

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Expression Host:** HEK293 Cells

**Bio-Activity:** Measured by the ability of the immobilized protein to support the adhesion of U937 human histiocytic lymphoma cells. When 5 x 10<sup>4</sup> cells/well are added to TACSTD2- coated plates (40 µg/mL, 100 µL/well), > 50% cells will adhere after 1 hour at 37°C.

**Calculated MW:** 29.4 kDa

**Formulation:** Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

**Observed MW:** 45 kDa

**Reconstitution:** Please refer to the printed manual for detailed information.

**Accession:** Q8BGV3

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

**Source:** HEK293 Cells-derived Mouse TROP2/TACSTD2 protein Met 1-Gln 270, with an C- terminal His

**Sequence:** Met 1-Gln 270

**Notes:** Centrifuge before opening to ensure complete recovery of vial contents.

**Form:** Lyophilized powder