

## HUMAN TROP2 PROTEIN, HIS TAG

**Cat.#:** 11554

**Product Name:** Human Trop2 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** TACSTD2;A733-1;ISI;ROP2

**Target:** Trop2

**UNIPROT ID:** P09758

**Description:** Recombinant human Trop2 protein with C-terminal 6xHis tag

**Background:** This intronless gene encodes a carcinoma-associated antigen. This antigen is a cell surface receptor that transduces calcium signals. Mutations of this gene have been associated with gelatinous drop-like corneal dystrophy.

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 28.7 kDa after removal of the signal peptide. The apparent molecular mass of Trop2-His is approximately 35-40 kDa due to glycosylation.

**Molecular Characterization:** TROP2(His27-Thr274) 6×His tag

**Purity:** The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

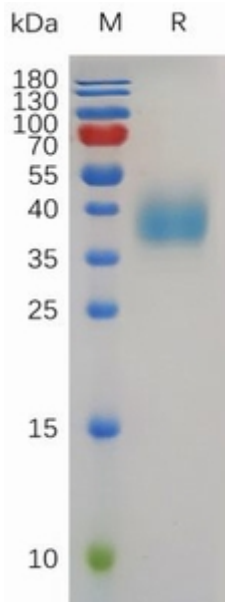


Figure 1. Human Trop2 Protein, His Tag on SDS-PAGE under reducing condition.