

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.

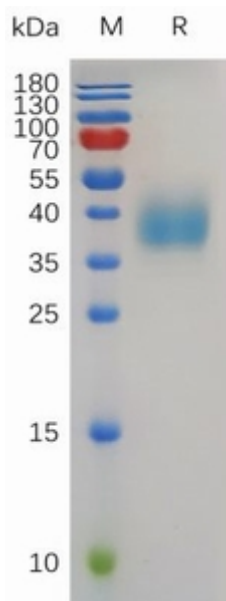


Figure 1. Human Trop2 Protein, His Tag on SDS-PAGE under reducing condition.