

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.

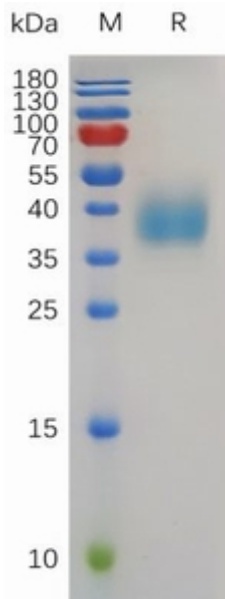


Figure 1. Human Trop2 Protein, His Tag on SDS-PAGE under reducing condition.