

MOUSE 5T4 PROTEIN, HIS TAG**Cat.#:** 12211**Product Name:** Mouse 5T4 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** TPBG;WAIF1**Target:** 5T4**UNIPROT ID:** Q9Z0L0**Description:** Recombinant mouse 5T4 protein with C-terminal 6xHis tag**Background:** Acts upstream of or within several processes, including dendrite arborization; olfactory learning; and positive regulation of intracellular signal transduction. Located in several cellular components, including axon terminus; dendrite; and endoplasmic reticulum. Is expressed in several structures, including brain; epithelium; extraembryonic component; skin; and urinary system. Orthologous to human TPBG (trophoblast glycoprotein). [provided by Alliance of Genome Resources, Apr 2022]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 36.6 kDa after removal of the signal peptide.**Molecular Characterization:** Mouse 5T4(Ser32-Ser361) 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. Mouse 5T4 Protein, His Tag on SDS-PAGE under reducing condition.