

**MOUSE QSOX1 PROTEIN, HIS TAG****Cat.#:** 12163**Product Name:** Mouse QSOX1 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** mSOX;Quiescin Q6**Target:** QSOX1**UNIPROT ID:** Q8BND5**Description:** Recombinant mouse QSOX1 protein with C-terminal 6xHis tag**Background:** Catalyzes the oxidation of sulfhydryl groups in peptide and protein thiols to disulfides with the reduction of oxygen to hydrogen peroxide (PubMed:26819240). Plays a role in disulfide bond formation in a variety of extracellular proteins (PubMed:26819240). In fibroblasts, required for normal incorporation of laminin into the extracellular matrix, and thereby for normal cell-cell adhesion and cell migration (PubMed:26819240).[UniProtKB/Swiss-Prot Function]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 75.5 kDa after removal of the signal peptide. The apparent molecular mass of mQSOX1-His is approximately 70-100 kDa due to glycosylation.**Molecular Characterization:** Mouse QSOX1(Ser36-His708) 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.

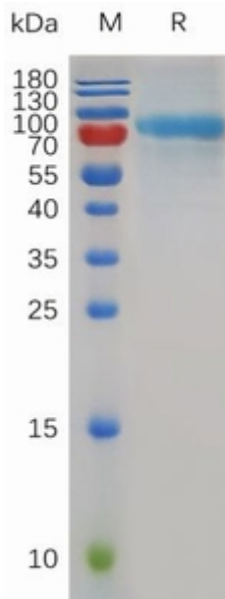


Figure 1. Mouse QSOX1 Protein, His Tag on SDS-PAGE under reducing condition.