

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.

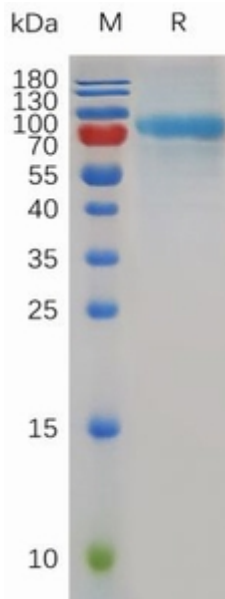


Figure 1. Mouse QSOX1 Protein, His Tag on SDS-PAGE under reducing condition.