

MOUSE ADAM9 PROTEIN, HIS TAG**Cat.#:** 12130**Product Name:** Mouse ADAM9 Protein**Size :** 10 µg, 50 µg and 100 µg**Synonyms:** AU020942;MDC9;mKIAA0021;Mltng**Target:** ADAM9**UNIPROT ID:** Q61072**Description:** Recombinant mouse ADAM9 protein with C-terminal 6xHis tag**Background:** Cleaves and releases a number of molecules with important roles in tumorigenesis and angiogenesis, such as TEK, KDR, EPHB4, CD40, VCAM1 and CDH5 (PubMed:19273593). May mediate cell-cell, cell-matrix interactions and regulate the motility of cells via interactions with integrins (PubMed:10825303).[UniProtKB/Swiss-Prot Function]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 74.3 kDa after removal of the signal peptide. The apparent molecular mass of mADAM9-His is approximately 55-70 kDa due to glycosylation.**Molecular Characterization:** Mouse ADAM9(Gly30-Asp697) 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 ADAM9 Protein, His Tag on SDS-PAGE under reducing condition.