

MOUSE RNASE4 PROTEIN, HIS TAG**Cat.#:** 12156**Product Name:** Mouse RNASE4 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** RNase 4;Rnase4;Ribonuclease 4**Target:** RNASE4**UNIPROT ID:** Q9JJH1**Description:** Recombinant mouse RNASE4 protein with C-terminal 6xHis tag

Background: This gene encodes a member of the pancreatic ribonuclease A superfamily. The encoded enzyme is secreted and has unique uridine specificity. This gene resides in a cluster of highly related genes. It shares dual promoters and 5' exons with the angiogenin, ribonuclease, RNase A family, 5 gene. Each gene splices to a unique downstream exon that contains its complete coding region. Two alternatively spliced variants, with different 5' exons but the same coding exon, have been identified. [provided by RefSeq, Jun 2009]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 14.7 kDa after removal of the signal peptide. The apparent molecular mass of mRNASE4-His is approximately 10–15 kDa due to glycosylation.

Molecular Characterization: Mouse RNASE4(Gln30–Cys472) 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.

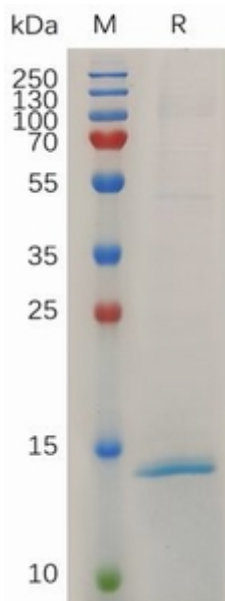


Figure 1. Mouse RNASE4 Protein, His Tag on SDS-PAGE under reducing condition.