

HUMAN ADAMTS1 PROTEIN, HIS TAG

Cat.#: 11559

Product Name: Human ADAMTS1 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: ADAM-TS 1;ADAM-TS1;ADAMTS-1;METH-1

Target: ADAMTS1

UNIPROT ID: Q9UHI8

Description: Recombinant human ADAMTS1 Protein with C-terminal 6xHis tag

Background: This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motif) protein family. Members of the family share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. The protein encoded by this gene contains two disintegrin loops and three C-terminal TS motifs and has anti-angiogenic activity. The expression of this gene may be associated with various inflammatory processes as well as development of cancer cachexia. This gene is likely to be necessary for normal growth, fertility, and organ morphology and function. [provided by RefSeq, Jul 2008]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 101.1 kDa after removal of the signal peptide. The apparent molecular mass of ADAMTS1-His is approximately 100-130 kDa due to glycosylation.

Molecular Characterization: ADAMTS1(Leu50-Ser967) 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.

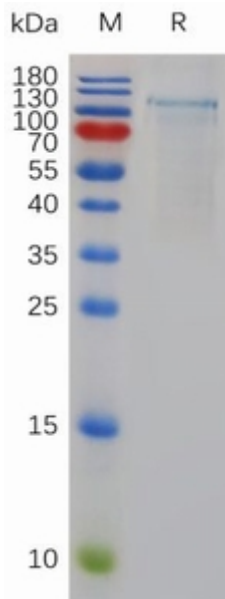


Figure 1. Human ADAMTS1 Protein, His Tag on SDS-PAGE under reducing condition.