

32-18342: Human MMP8 Protein, His Tag

Uniprot ID : P22894

Alternative Name : HNC; CLG1; MMP-8; PMNL-CL

Description

Description : Recombinant human MMP8 Protein with C-terminal 6xHis tag

Background : This gene encodes a member of the matrix metalloproteinase (MMP) family of proteins. These proteins are involved in the breakdown of extracellular matrix in embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Proteolysis at different sites on this protein results in multiple active forms of the enzyme with distinct N-termini. This protein functions in the degradation of type I, II and III collagens. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. Alternative splicing results in multiple transcript variants.

Molecular Characterization: mass of 52.0 kDa after removal of the signal peptide. The apparent molecular mass of MMP8-His is approximately 55-70 kDa due to glycosylation.

Tag : C-6xHis tag

Product Info

Amount : 50 µg / 100 µg

Purification : The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

Content : Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.

Storage condition : 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.

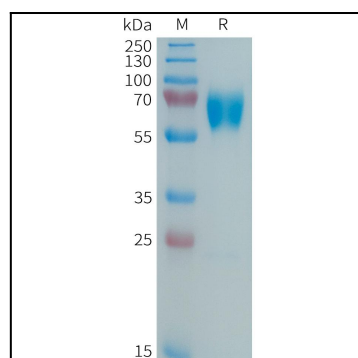


Figure 1. Human MMP8 Protein, His Tag on SDS-PAGE under reducing condition.