

Recombinant Human MMP21 protein, His & T7-tagged

Cat. No. MMP21-1882H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MMP21 aa. (Thr335~Phe547 (Accession # Q8N119)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Thr335~Phe547
Description	This gene encodes a member of the matrix metalloproteinase family. Proteins in this family are involved in the breakdown of extracellular matrix for both normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, and disease processes, such as asthma and tumor metastasis. The encoded protein may play an important role in embryogenesis, particularly in neuronal cells, as well as in lymphocyte development and survival.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.5kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 9.2.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

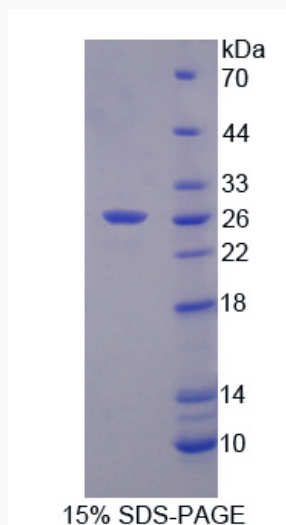
GENE INFORMATION

Gene Name	MMP21 matrix metalloproteinase 21 [Homo sapiens (human)]
Official Symbol	MMP21
Synonyms	IL17re; interleukin 17 receptor E; interleukin-17 receptor E; IL-17 receptor E; IL-17RE
Gene ID	118856
mRNA Refseq	NM_147191.1
Protein Refseq	NP_671724.1
UniProt ID	Q8N119

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SDS-PAGE

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