

Recombinant Rat ECM1 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52656

Size: 10ug, 100ug

Protein Name: Extracellular matrix protein 1 (Secretory component p85)

Synonym: Ecm1

UniProt ID: Q62894

UniProt Link: www.uniprot.org/uniprotkb/Q62894/entry

Species Source: Rat

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 562 AA

Molecular Weight: 63 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MGTIRSSALILACLALASAASEGAFKVSDQREMKPEHLFQHLHEVGYAAPPSPPPQTRRLQVHHSETS
PHDPPLFEEQKEVQPPSSPEDIPVYEEEWLTF LNPNVGKVDPALPQEAIP LQKEQPPPRIPIEQKEID
PPVQHQQEEIVQSRQKEEKPTLTGQHPPEPRTWNP ARHCQQGRRGIWGHRLDGFPPGRPSPDNL
KQICLPERQHVVYGPWNLPQTGYSHLSRQGEALN LLETGYSRCCRCRSDTNRLDCVKLVWEDAMT
QFCEAEFSVKTRPHLCCKQRGEERFSCFQKEAPRPDYLLRPCPIHQ TGISSGTQLPFPPGLPTPDNV
KNICLLRRFRSVPRNLPATDAIQRQLQALTRLET EFRCCRQGHNHTCTWKAWEDTLDGYCDRELAI
KTHPHSCCHYPPSPARDECFAHLAPYPNYDRD LLTVDL SRVTPNLMDHLCGNGRVLSKHKQIPGLIQ
NMTVRCCELPYPEQACCGEEEEKLAFIEDLCGPRRNSWKDPALCCTLS PGDKQANCFNTNYLRNVAL
VAGDTGNATGLGQQGPTGGTNVGPAPGSKEE

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Extracellular matrix protein 1 (Secretory component p85) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: Involved in endochondral bone formation as negative regulator of bone mineralization. Stimulates the proliferation of endothelial cells and promotes angiogenesis. Inhibits MMP9 proteolytic activity (By similarity).

Subcellular Localization: Secreted, extracellular space, extracellular matrix.

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.