Recombinant ECM2 protein (His tag)

Catalog Number	544204
Synonyms	Matrix glycoprotein SC1/ECM2
Species	Human
Expression System	E. coli
Accession	O94769
Molecular Weight	Predictes a molecular mass of 45.45 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 46 kDa band.

Product Information

Sequence Region	315-699
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 315-699 aa (O94769) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Extracellular Matrix Protein 2 (ECM2) Fragment (Human), encompassing amino acids 315-699, is a high-quality protein designed for structural and biochemical studies. This 385-amino acid fragment retains key functional characteristics, promoting matrix assembly and cell adhesiveness, and is optimized for solubility and stability in experimental applications. Extracellular Matrix Protein 2 (ECM2) is a secreted human protein localized to the extracellular space and matrix, where it plays a critical role in promoting matrix assembly and enhancing cell adhesiveness. These functions are essential for maintaining tissue structure and facilitating cellular interactions, making ECM2 a significant target for research in cell biology, tissue engineering, and extracellular matrix dynamics. The provided fragment represents a stable, soluble region selected to support detailed mechanistic and structural investigations.