Recombinant Protein Technical Manual

Recombinant Mouse ECM1 Protein (His Tag)(Active)

RPES2822

Product Data:

Product SKU: RPES2822

Size: 50µg

Species: Mouse

Expression host: HEK293 Cells

Uniprot: Q61508

Protein Information:

Molecular Mass:	62.5 kDa
AP Molecular Mass:	90-95 kDa
Tag:	C-His
Bio-activity:	Measured by its ability to bind human MMP-9 in a functional ELISA.
Purity:	> 88 % as determined by SDS-PAGE
Endotoxin:	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage:	Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping:	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation:	Lyophilized from sterile PBS, pH 7.4
Reconstitution:	Please refer to the printed manual for detailed information.
Application:	Functional ELISA
Synonyms:	AI663821;p85

Immunogen Information:

Sequence: Met 1-Glu 559

Background:

Extracellular matrix protein 1 (ECM1) is a secreted glycoprotein and playing a pivotal role in endochondral bone formation, angiogenesis, and tumour biology. Three splice variants have been identified: ECM1a (540 aa) is most widely expressed, with highest expression in the placenta and heart; ECM1b (415 aa) is differentiation-dependent expressed and found only in tonsil and associated with suprabasal keratinocytes; ECM1c (559 aa) accounts for approximately 15% of skin ECM1. Although ECM1 is not tumor specific, is significantly elevated in many malignant epithelial tumors and is suggested as a possible trigger for angiogenesis, tumor progression and malignancies. It also has been shown to regulate endochondral bone formation, skeletal development and tissue remodeling.