

Active Recombinant Mouse Mepe, His-tagged

Cat. No. Mepe-374M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Mepe (Accession # AAK70342) Met1-Asp433, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Mouse
Source	Mammalian Cells
ProteinLength	1-433 a.a.
Predicted N Terminal	Ser147
Form	Lyophilized from a 0.2 µ filtered solution in PBS.
Bio-activity	Measured by its ability to induce adhesion of ATDC5 mouse chondrogenic cells. The ED50 for this effect is typically 0.1 - 0.4 µg/mL. Optimal dilutions should be determined by each laboratory for each application.
Molecular Mass	Recombinant Mouse Mepe, His-tagged has a calculated MW of 31.6 kDa. In SDS-PAGE migrates as 40-55 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	Mepe matrix extracellular phosphoglycoprotein with ASARM motif (bone) [Mus musculus]
Official Symbol	Mepe
Synonyms	MEPE; matrix extracellular phosphoglycoprotein with ASARM motif (bone); matrix extracellular phosphoglycoprotein with ASARM motif; osteoregulin; Of45;
Gene ID	94111
mRNA Refseq	NM_053172
Protein Refseq	NP_444402
MIM	

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