

Recombinant Human MEPE protein, His & T7-tagged

Cat. No. MEPE-5844H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MEPE aa. (Ser212~Asn445 (Accession # Q9NQ76)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ser212~Asn445
Description	This gene encodes a secreted calcium-binding phosphoprotein that belongs to the small integrin-binding ligand, N-linked glycoprotein (SIBLING) family of proteins. Members of this family are components of the extracellular matrix of bone and dentin and regulate bone mineralization. Deficiency of a similar protein in mouse results in increased bone mass. Mice lacking this gene are resistant to aging-related trabecular bone loss. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.2kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.2.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. 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. The loss rate 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

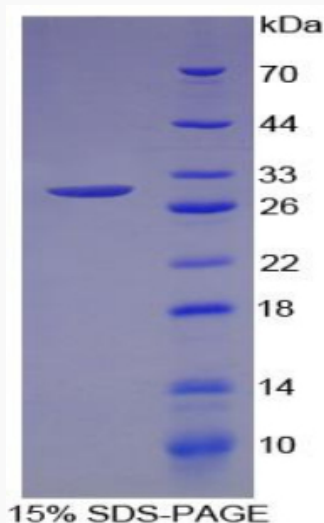
Gene Name	MEPE matrix extracellular phosphoglycoprotein [Homo sapiens (human)]
Official Symbol	MEPE
Synonyms	OF45; matrix, extracellular phosphoglycoprotein with ASARM motif (bone); osteoblast/osteocyte factor 45; matrix extracellular phosphoglycoprotein
Gene ID	56955
mRNA Refseq	NM_001184694.2
Protein Refseq	NP_001171623.1
UniProt ID	Q9NQ76

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SDS-PAGE



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