MEPE/OF45 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P77996
Synonyms:	OF45; MEPE; Osteoregulin
Species:	Mouse
Source:	HEK293
Accession:	Q8K4L6 (A25-D441)
Gene ID:	94111
Molecular Weight:	45-60 kDa

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	MEPE/OF45 protein plays a pivotal role in the regulation of renal phosphate and uric acid excretion. Its influence extends to the intricate processes of bone mineralization, affecting both osteoblasts and chondrocytes. MEPE/OF45's impact on the mineralization of the extracellular matrix is particularly notable in craniofacial structures, including teeth, bone, and cartilage. Moreover, it contributes to the proliferation of dental pulp stem cells. The protein's interaction with PHEX, mediated by its ASARM motif, is contingent on zinc, adding a layer of complexity to its regulatory functions.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA