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Datasheet for ABIN5510639

BMP7 ELISA Kit





Overview

Quantity:	96 tests
Target:	BMP7
Binding Specificity:	AA 292-430
Reactivity:	Hamster
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Chinese hamster BMP-7
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: CHO Immunogen sequence: S292-H430
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.

Target Details

Target:	BMP7
Alternative Name:	Bmp7 (BMP7 Products)
Background:	Protein Function: Induces cartilage and bone formation. May be the osteoinductive factor

responsible for the phenomenon of epithelial osteogenesis. Plays a role in calcium regulation and bone homeostasis.

Background: Bone morphogenetic protein 7 or BMP7 (also known as osteogenic protein-1 or OP-1) is a protein that in humans is encoded by the BMP7 gene. The protein encoded by this gene is a member of the TGF-i² superfamily. Like other members of the bone morphogenetic protein family of proteins, it plays a key role in the transformation of mesenchymal cells into bone and cartilage. It is inhibited by noggin and a similar protein, chordin, which are expressed in the Spemann-Mangold Organizer. BMP7 may be involved in bone homeostasis. It is expressed in the brain, kidneys and bladder.

Synonyms: Bone morphogenetic protein 7,BMP-7,Osteogenic protein 1,OP-1,Bmp7,Bmp-7, Op1,

Full Gene Name: Bone morphogenetic protein 7

Cellular Localisation: Secreted.

UniProt: P23359

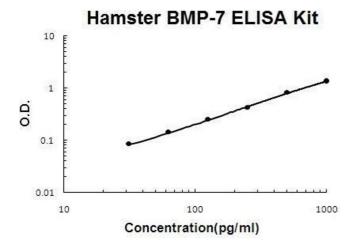
Pathways: Steroid Hormone Mediated Signaling Pathway, Stem Cell Maintenance

Application Details

Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store at 4 °C for 6 months, at -20 °C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)
Expiry Date:	12 months



ELISA

Image 1. Hamster BMP-7 PicoKine ELISA Kit standard curve