

Datasheet for ABIN5510529

BMP5 ELISA Kit**1** Image[Go to Product page](#)

Overview

Quantity:	96 tests
Target:	BMP5
Binding Specificity:	AA 317-454
Reactivity:	Rabbit
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of rabbit BMP-5
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: NSO Immunogen sequence: A317-H454
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.
Characteristics:	Sequence similarities: Belongs to the TGF-beta family. Tissue Specificity: Expressed in the lung and liver.

Target Details

Target:	BMP5
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Target Details

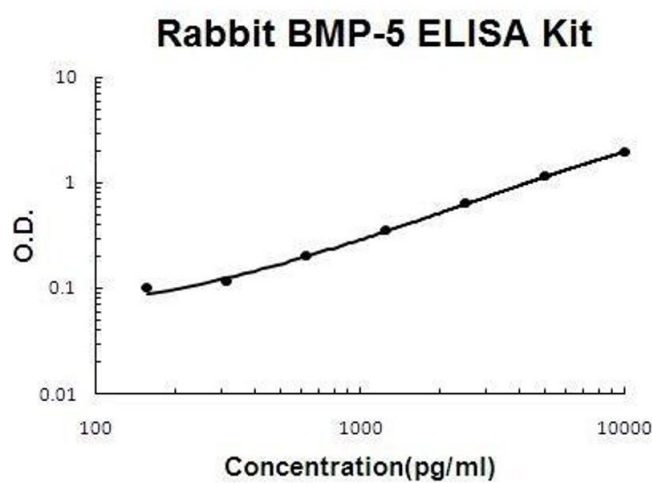
Alternative Name:	BMP5 (BMP5 Products)
Background:	<p>Protein Function: Induces cartilage and bone formation.</p> <p>Background: Bone morphogenetic protein 5 is a protein that in humans is encoded by the BMP5 gene.^{1,2,3} The protein encoded by this gene is member of the TGFbeta superfamily. Bone morphogenetic proteins are known for their ability to induce bone and cartilage development. BMP5 may play a role in certain cancers. Like other BMP's BMP5 is inhibited by chordin and noggin. It is expressed in the trabecular meshwork and optic nerve head and may have a role in the development and normal function. It is also expressed in the lung and liver. BMP-5 is mapped on rabbit chromosome 6.⁴ The standard used in this kit is recombinant BMP-5 with the monomer molecular mass of 18KDa.</p> <p>Synonyms: Bone morphogenetic protein 5,BMP-5,BMP5,</p> <p>Full Gene Name: Bone morphogenetic protein 5</p> <p>Cellular Localisation: Secreted.</p>
UniProt:	P22003
Pathways:	Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process

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. Rabbit BMP-5 PicoKine ELISA Kit standard curve