# antibodies .- online.com





# Datasheet for ABIN5510527

# **BMP5 ELISA Kit**





### Overview

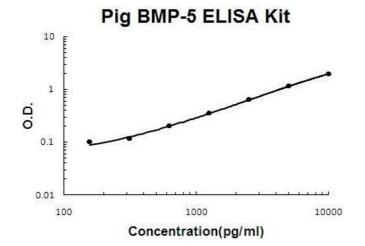
Quantity:	96 tests
Target:	BMP5
Binding Specificity:	AA 317-454
Reactivity:	Pig
Method Type:	Sandwich ELISA
Application:	ELISA
Product Details	
Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Pig porcine BMP-5
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	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

## **Target Details**

Alternative Name:	BMP5 (BMP5 Products)	
Background:	Protein Function: Induces cartilage and bone formation.	
	Background: Bone morphogenetic protein 5 is a protein that in humans is encoded by the BMP	
	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 Pig porcine chromosome 6.4 The standard used in this kit is recombinant BMP-5	
	with the monomer molecular mass of 18KDa.	
	Synonyms: Bone morphogenetic protein 5,BMP-5,BMP5,	
	Full Gene Name: Bone morphogenetic protein 5	
	Cellular Localisation: Secreted.	
UniProt:	P22003	
Pathways:	Regulation of Hormone Metabolic Process, Regulation of Hormone Biosynthetic Process	
Application Details		
Plate:	Pre-coated	
Restrictions:	For Research Use only	

### Handling

- Iditaling	
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. Pig BMP-5 PicoKine ELISA Kit standard curve