

Datasheet for ABIN5854811

Osteoactivin Protein (GPNMB) (AA 22-474) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	Osteoactivin (GPNMB)
Protein Characteristics:	AA 22-474
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Osteoactivin protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	ADPAKRFHDV LGNERPSAYM REHNQLNGWS SDENDWNEKL YPVWKRGD MR WKNSWKGGRRV QAVLTSDSPA LVGSNITFAV NLIFPRCQKE DANGNIVYEK NCRNEAGLSA DPYVYNWTAW SESDGNGT GQSHHNVFPD GKPFPHHPGW RRWNFIYVFH TLGQYFQKLG RCSVRVSVNT ANVTLGPQLM EVTVYRRHGR AYPVIAQVKD VYVVDQIPV FVTMFQKNDR NSSDETFLKD LPIMFDVLIH DPSHFLNYST INYKWSFGDN TGLFVSTNHT VNHTYVLNGT FSLNLTVKAA APGPCPPPPP PRRPSKPTPS LGPAGDNPLE LSRIPDENCQ INRYGHFQAT ITIVEGILEV NIIQMTDVLM PVPWPESLI DFVVCQCSI PTEVCTIISD PTCEITQNTV CSPVDVDEMC LLTVRRTFNG SGTYCVNLT L GDDTSLALTS TLISVPHHHH HH
Purity:	> 90 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1 microgram of protein (determined by LAL method)

Target Details

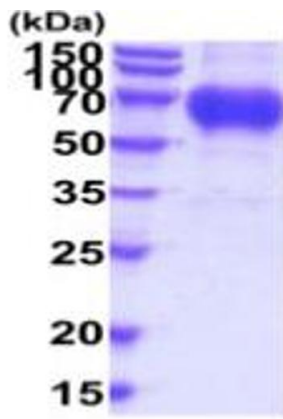
Target:	Osteoactivin (GPNMB)
Alternative Name:	GPNMB (GPNMB Products)
Background:	GPNMB, also known as glycoprotein nmb, is a transmembrane glycoprotein that is expressed in numerous cells, including osteoclasts, macrophages, dendritic cells, and tumor cells. It shows expression in the lowly metastatic human melanoma cell lines and xenografts but does not show expression in the highly metastatic cell lines. This protein participates in bone mineralization, and functions as a negative regulator of inflammation in macrophages. It may be involved in growth delay and reduction of metastatic potential. Recombinant human GPNMB protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	51.8kDa (462aa) 50-70KDa (SDS-PAGE under reducing conditions.)
NCBI Accession:	NP_002501
UniProt:	Q14956

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.