Datasheet for ABIN7596206

EPYC Protein (AA 20-322) (His tag)

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Overview

Quantity:	500 µg
Target:	EPYC
Protein Characteristics:	AA 20-322
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This EPYC protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Activity Assay (AcA)

Product Details

Sequence:	APTLESINYD SETYDATLED LDNLYNYENI PVDKVEIEIA TVMPSGNREL LTPPPQPEKA QEEEEEEEST PRLIDGSSPQ EPEFTGVLGP HTNEDFPTCL LCTCISTTVY CDDHELDAIP PLPKNTAYFY SRFNRIKKIN KNDFASLSDL KRIDLTSNLI SEIDEDAFRK LPQLRELVLR DNKIRQLPEL PTTLTFIDIS NNRLGRKGIK QEAFKDMYDL HHLYLTDNNL DHIPLPLPEN LRALHLQNNN ILEMHEDTFC NVKNLTYIRK ALEDIRLDGN PINLSKTPQA YMCLPRLPVG SLV
Purity:	> 95% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Measured by the ability of the immobilized protein to support the adhesion of Saos-2 human osteosarcoma cells. When cells are added to human DSPG3 1.25 ug/ml and human fibronectin 0.5 ug/ml coated plates. This effect is more to 60%.

Target Details

Target:	EPYC
Alternative Name:	DSPG3 (EPYC Products)
Background:	DSPG3, also called epiphycan/EPYC or PG-Lb, is a class III subfamily member of the SLRP(small leucine-rich proteoglycans) family. DSPG3 is found predominantly in epiphyseal cartilage, although DSPG3 mRNA is also detected in mouse testis and human ligament and placenta. In mouse, expression begins in mid-gestation as an intermediate marker for chondrogenesis, peaks at birth and declines thereafter. Deletion of DSPG3 in mouse results in a mild postnatal phenotype that worsens synergistically when the co-expressed SLRP biglycan is also deleted. The double-mutant phenotype includes premature osteoarthritis, indicating a role for DSPG3, in cooperation with other SLRPs, in stability of the collagen matrix and maintenance of joint integrity. Recombinant human DSPG3, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Molecular Weight:	35.5kDa (309aa)
NCBI Accession:	NP_004941

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
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.