abcam

Product datasheet

Recombinant Mouse BAPX1 protein (Tagged) ab226436

1 Image

Description

Product name	Recombinant Mouse BAPX1 protein (Tagged)
Purity	> 90 % Immunogen affinity purified.
Expression system	Escherichia coli
Accession	P97503
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Mouse
Sequence	MAVRGSGTLTPFSIQAILNKKEERGGLATPEGRPAPGGTE VAVTAAPAVC CWRIFGETEAGALGGAEDSLLASPARTRTAVGQSAESPG GWDSDSALSEE NEGRRRCADVPGASGTGRARVTLGLDQPGCELHAAKDL EEEAPVRSDSEM SASVSGDHSPRGEDDSVSPGGARVPGLRGAAGSGASG GQAGGVEEEEEPA APKPRKKRSRAAFSHAQVFELERRFNHQRYLSGPERADL AASLKLTETQV KIWFQNRRYKTKRRQMAADLLASAPAAKKVAVKVLVRDD QRQYLPGEVLR PPSLLPLQPSYYYPYYCLPGWALSTCAAAAGTQ
Predicted molecular weight	40 kDa including tags
Amino acids	1 to 333
Tags	His tag N-Terminus
Additional sequence information	N-terminal 10xHis tag and C-terminal Myc tag.

Specifications

Our Abpromise guarantee covers the use of **ab226436** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE

Form	Liquid

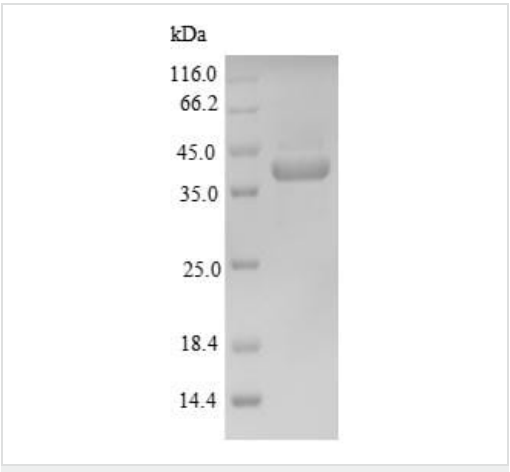
Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. Constituents: 50% Glycerol (glycerin, glycerine), Tris buffer

General Info

Function	Transcriptional repressor that acts as a negative regulator of chondrocyte maturation. PLays a role in distal stomach development; required for proper antral-pyloric morphogenesis and development of antral-type epithelium. In concert with GSC, defines the structural components of the middle ear; required for tympanic ring and gonium development and in the regulation of the width of the malleus.
Tissue specificity	Expressed at highest levels in cartilage, bone (osteosarcoma) and gut (small intestine and colon), whereas moderate expression is seen in trachea and brain. Expressed in visceral mesoderm and embryonic skeleton.
Involvement in disease	Defects in NKX3-2 are the cause of spondylo-megaepiphyseal-metaphyseal dysplasia (SMMD) [MIM:613330]. It is a skeletal dysplasia characterized by disproportionate short stature with a short and stiff neck and trunk, relatively long limbs that may show flexion contractures of the distal joints, delayed and impaired ossification of the vertebral bodies, the presence of large epiphysea ossification centers and wide growth plates in the long tubular bones and numerous pseudoepiphyses of the short tubular bones in hands and feet.
Sequence similarities	Belongs to the NK-3 homeobox family. Contains 1 homeobox DNA-binding domain.
Cellular localization	Nucleus.

Images



SDS-PAGE - Recombinant Mouse BAPX1 protein (Tagged) (ab226436)

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) analysis of ab226436 with 5% enrichment gel and 15% separation gel.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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