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Datasheet for ABIN1097164

MOB1A Protein (AA 2-216) (His tag)

Overview

Quantity:	50 µg
Target:	MOB1A (MOBKL1B)
Protein Characteristics:	AA 2-216
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MOB1A protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human MOB Kinase Activator 1A/MOB1A (C-6His)
Sequence:	SFLFSSRSSK TFKPKKNIPE GSHQYELLKH AEATLGSGNL RQAVMLPEGE DLNEWIAVNT VDFFNQINML YGTITEFCTE ASCPVMSAGP RYEHYWADGT NIKKPIKCSA PKYIDYLMTW VQDQLDDETL FPSKIGVPFP KNFMSVAKTI LKRLFRVYAH IYQHFD SVM QLQEEAHLNT SFKHFIFFVQ EFNLIDRREL APLQELIEKL GSKDRLEHHH HHH
Characteristics:	Recombinant Human MOB Kinase Activator 1A/MOB1A (C-6His)
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	MOB1A (MOBKL1B)
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Target Details

Alternative Name:	MOB Kinase Activator 1A/MOB1A (MOBKL1B Products)
Background:	<p>Recombinant Human MOB Kinase Activator 1A/MOB1A is produced by our E. coli expression system. The target protein is expressed with sequence (Ser2-Arg216) of Human MOB1A fused with a 6His tag at the C-terminus.</p> <p>MOB Kinase Activator 1A (MOB1A) belongs to the MOB1/phocein family, which acts as an activator of LATS1/2 in the Hippo signaling pathway, plays a key role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. MOBKL1B stimulates the kinase activity of STK38 and STK38L. MOBKL1B binds to and regulate downstream targets such as the NDR-family protein kinases and LATS1 kinase.</p>
Molecular Weight:	26 kDa
UniProt:	Q9H8S9

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 0.15M NaCl, pH 8.0 .
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>