

Datasheet for ABIN7563469

PAX3 and PAX7 Binding Protein 1 (PAXBP1) (AA 1-919) protein (His tag)



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Overview

Quantity:	1 mg
Target:	PAX3 and PAX7 Binding Protein 1 (PAXBP1)
Protein Characteristics:	AA 1-919
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Paxbp1 Protein expressed in mammalian cells.
Sequence:	<p>MFRKARRVNV RKRNDSEEEE RERDEEQEPP PLLPPPASGE EPGPGGGDRA PAGESLLGPG</p> <p>PLPPPPSAHH PGLGAEAGGG ISGGAEPGNG LKPRKRPREN KEVPRASLLS FQDEEEENEE</p> <p>VFKVKKSSYS KKIVKLLKKE YKEDLEKSKI KTELNTAADS DQPLDKTCHA KDTNPEDGVV</p> <p>ISEHGEDEMD MESEKEEEKP KAGGAFSNAL SSLNVLRPGE IPDAAFIHAA RKKRQLAREL</p> <p>GDFTPHDSEP GKGRVREDE NDASDDEDDD EKRRIVFSVK EKSQRQKIAE EIGIEGSDDD</p> <p>ALVTGEQDEE LSRWEQEQIR KGINIPQVQA SQPSEVNVYY QNTYQTMPYG ASYGIPYSYT</p> <p>AYGSSDAKSQ KTDNTVPFKT PSNEMAPVTI DLVQRQLKDR LDSMKELHKT NQQQHEKHLQ</p> <p>SRVDSTRAIE RLEGSSGGIG ERYKFLQEMR GYVQDLLECF SEKVPLINEL ESAIHQLYKQ</p> <p>RASRLVQRRQ DDIKDESSEF SSHSNKALMA PNLDSEFGRDR ALYQEHAKRR IAEREARRTR</p> <p>RRQAREQTGQ MADHLEGLSS DDEETSTDIT NFNLEKDRIL KESSKVFEDV LESFYSIDCI</p> <p>KAQFEAWRSK YYMSYKDAYI GLCLPKLFNP LIRLQLLTWT PLEAKCRDFE TMLWFESLLF</p>

YGCEDREQEK DEADVALLPT IVEKVLPKL TVIAETMWDP FSTTQTSMV GITMKLINGY
PSVVNADNKN TQVYLKALLL RMRRTLDDDV FMPLYPKNVL ENKNSGPYLF FQRQFWSSVK
LLGNFLQWYG IFSNKTLQEL SIDGLLNRYI LMAFQNSEYG DDSIRKAQNV INCFPKQWFFV
NLKGERTISQ LENFCRYLVH LADTIYRNSI GCSDVEKRNA RENIKQIVKL LASVRALDHA
ISVASDHNVK EVKSLIEGK **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	PAX3 and PAX7 Binding Protein 1 (PAXBP1)
Alternative Name:	Paxbp1 (PAXBP1 Products)
Background:	<p>PAX3- and PAX7-binding protein 1 (PAX3/7BP) (GC-rich sequence DNA-binding factor 1),FUNCTION: Adapter protein linking the transcription factors PAX3 and PAX7 to the histone methylation machinery and involved in myogenesis. Associates with a histone methyltransferase complex that specifically mediates dimethylation and trimethylation of 'Lys-4' of histone H3. Mediates the recruitment of that complex to the transcription factors PAX3 and PAX7 on chromatin to regulate the expression of genes involved in muscle progenitor cells</p>

Target Details

	proliferation including ID3 and CDC20. {ECO:0000269 PubMed:22862948}.
Molecular Weight:	104.8 kDa
UniProt:	P58501

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months