

Datasheet for ABIN7554913

PAX3 and PAX7 Binding Protein 1 (PAXBP1) (AA 1-917) protein (His tag)



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Overview

Quantity:	1 mg
Target:	PAX3 and PAX7 Binding Protein 1 (PAXBP1)
Protein Characteristics:	AA 1-917
Origin:	Human
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 PLLPPPGTGE EAGPGGGDRA PGGESLLGPG</p> <p>PSPPSALTPG LGAEAGGGFP GGAEPGNGLK PRKRPRENKE VPRASLLSFQ DEEEENEVVF</p> <p>KVKKSSYSKK IVKLLKKEYK EDLEKSKIKT ELNSSAESEQ PLDKTGHVKD TNQEDGVIIS</p> <p>EHGEDEMDME SEKEEEKPKT GGAFSNALSS LNVLRPGEIP DAAFIHAARK KRQMARELGD</p> <p>FTPHDNEPGK GRLVREDEND ASDDEDDDEK RRIVFSVKEK SQRQKIAEEI GIEGSDDDAL</p> <p>VTGEQDEELS RWEQEQIRKG INIPQVQASQ PAEVNMYQYN TYQTMPYGSS YGIPYSYTAY</p> <p>GSSDAKSQKT DNTVPFKTPS NEMTPVTIDL VKKQLKDRLD SMKELHKTNR QQHEKHLQSR</p> <p>VDSTRAIERL EGSSGGIGER YKFLQEMRGY VQDLLECFSE KVPLINELES AIHQLYKQRA</p> <p>SRLVQRRQDD IKDESSEFSS HSNKALMAPN LDSFGRDRAL YQEHAKRRIA EREARRTRRR</p> <p>QAREQTGKMA DHLEGLSSDD EETSTDITNF NLEKDRISKE SGKVFEDVLE SFYSIDCIKS</p> <p>QFEAWRSKYY TSYKDAYIGL CLPKLFNPLI RLQLLTWTPL EAKCRDFENM LWFESLLFYG</p>

CEEREQEKDD VDALLPTIV EKVILPKLTV IAENMWDPFS TTQTSRMVGI TLKLINGYPS
VVNAENKNTQ VYLKALLLRM RRTLDDDVFM PLYPKNVLEN KNSGPYLFFQ RQFWSSVKLL
GNFLQWYGIF SNKTLQELSI DGLLNRYILM AFQNSEYGDD SIKKAQNVIN CFPKQWFMNL
KGERTISQLE NFCRYLVHLA DTIYRNSIGC SDVEKRNARE NIKQIVKLLA SVRALDHAMS
VASDHNVKEF KSLIEGK **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 (GC-rich sequence DNA-binding factor 1),FUNCTION:</p> <p>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 proliferation including ID3</p>

Target Details

	and CDC20 (By similarity). {ECO:0000250}.
Molecular Weight:	104.8 kDa
UniProt:	Q9Y5B6

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