

Datasheet for ABIN7562090
Meningioma 1 Protein (AA 1-1297) (His tag)



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Overview

Quantity:	1 mg
Target:	Meningioma 1 (MN1)
Protein Characteristics:	AA 1-1297
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Meningioma 1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Mn1 Protein expressed in mammalien cells.
Sequence:	MFGLDQFEPQ INSRHAGQGE GNFNEAGLSM NAHFKAPAFH AGPPTGPVDP AISALGEPPI LGLNMEPYGF HARSHSELHA GGLQAQPVHG FFGGQQPHHS HPGGHHPHQH HPHFGGNFGG PDPGASCLHG GRLLGYGGAA GGLGSQPPFA ESYEHMAESQ GPEGFGPQRP GNLPDFHSSG TSGHAVPAPC LPLDQSPNRA ASFHGLSASS GSDSHSLEPR RVTNQGAVDS LEYNYPSEPP SGHFDMFSPS DSEGQLPHYA AGRQVPGGAF PGASAMPRAS GMVGLSKMHS QPPQPPQQQ QPQHGVFFER FGGARKMPVG LPAVGSRHP LMQPPQAPP PPQPPQQQ PPPPGLLVRQ NSCPPALPRP QQGEAGTPSG GLQDGGPMLP SQHAQFEYPI HRLNRS MHP YSEPVFSMQH PPPQQAPNQR LQHFDAPPYM NVAKRPRFDF PGSAGVDRCA SWNGSMHNGT LDNQLSPSAY PGLPGEFTPP VPDSFSSGPP LQHPGPDHQS LQQQQQQQQQ QQQQQQQQQQ QQQQQQQRQN AALMIKQMAS RNQQRLRQP NLAQLGHPGD VGQGGLVHGG SVGGLAQTNF EREGGSAGAG RLSGFEQQAP HLAQESAWFP GPHPPGDLLP RRMGGAGLPT DCGPHDPALA PPPAPGGSGV

LFRGSLQEPL RMPGEGHVPA LASPGLQFGG SLAGLGQLQS PGAGVGLPNA PSERRPPPPD
FPAPALGGQP GFPFGSGSRQ ATPHSAPGVN SPSSAGSGSS GAGGGAYPPQ PDFQPSQRNS
ASKLGALSLG SFNKPSSKDN LFGQSCLAAL STACQNMIAS LGAPNLNVTF NKKNPPEGKR
KLSQNEPDSA VAAGNPGSDY FPGGTTTPGAP GPGGPGSTSG GGSKASGPPN PPIQGDSTSL
SPNYTLESTS GNDGKVPVPGG SGRGRGRRKR DSGHVSPGTF FDKYSTAPDS GGAPGVSPGQ
QQAPGSAAGG SSVNEARGPT PHEKALTSPS WGKGAELLLG DQPDLMASLD STAKSDGSSP
HVGEFASDEV STSYANEDEV SSSSDNTTAL AKASRSPLVT SSPKLPPRGV GAGEHTPKAS
ALGLGILSTS TSTPDSYGGG VGTGHPGTPG LEQVRTPTSS SGAQPPDEIH PLEILQAQIQ
LQRQQFSISE DQPLGLKGSK KAECAVGASG AQNGDSELGS CCSEAVKSAM STIDLDSLMA
EHSTTWYMPP DKALVDGGDE DKT LAPWEKA KSQNPNNKEA HDHPTNKASA TQPGSHLQCL
TVHCTDGD PK ARTSVPTWRS LHSDISNRFG TFVAALT

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
Grade:	custom-made

Target Details

Target:	Meningioma 1 (MN1)
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Target Details

Alternative Name:	Mn1 (MN1 Products)
Background:	<p>Transcriptional activator MN1,FUNCTION: Transcriptional activator which specifically regulates expression of TBX22 in the posterior region of the developing palate (PubMed:18948418).</p> <p>Required during later stages of palate development for normal growth and medial fusion of the palatal shelves (PubMed:18948418). Promotes maturation and normal function of calvarial osteoblasts, including expression of the osteoclastogenic cytokine TNFSF11/RANKL (PubMed:19386590). Necessary for normal development of the membranous bones of the skull (PubMed:15870292). May play a role in tumor suppression (By similarity).</p> <p>{ECO:0000250 UniProtKB:Q10571, ECO:0000269 PubMed:15870292, ECO:0000269 PubMed:18948418, ECO:0000269 PubMed:19386590}.</p>
Molecular Weight:	134.1 kDa
UniProt:	D3YWE6

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