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Datasheet for ABIN7556876

Msx2/Hox8 Protein (AA 1-267) (His tag)

Overview

Quantity:	1 mg
Target:	Msx2/Hox8 (Msx2)
Protein Characteristics:	AA 1-267
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Msx2/Hox8 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Msx2 Protein expressed in mammalien cells.
Sequence:	MASPTKGGDL FSSDEEGPAV LAGPGPGGG AEGSAEERRV KVSSLPFSVE ALMSDKKPPK ESPAVPPDCA SAGAVLRPLL LPGHGVRDAH SPGPLVKPFE TASVKSENSE DGAPWIQEPG RYSPPRHMS PTTCTLRKHK TNRKPRTPFT TSQLLALERK FRQKQYLSIA ERAEFSSSLN LTETQVKIWF QNRRAKAKRL QEAELEKLM AAKPMLPSGF SLPFPINSPL QAASIYGASY PFHRPVLPPI PVGLYATPVG YGMYHLS 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:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalien cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and

Product Details

transmembrane proteins.

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	Msx2/Hox8 (Msx2)
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Alternative Name:	Msx2 (Msx2 Products)
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Background:	Homeobox protein MSX-2 (Homeobox protein Hox-8-1),FUNCTION: Acts as a transcriptional regulator in bone development. Represses the ALPL promoter activity and antagonizes the stimulatory effect of DLX5 on ALPL expression during osteoblast differentiation. Probable morphogenetic role. May play a role in limb-pattern formation. In osteoblasts, suppresses transcription driven by the osteocalcin FGF response element (OCFRE). Binds to the homeodomain-response element of the ALPL promoter. {ECO:0000269 PubMed:15383550, ECO:0000269 PubMed:1677742}.
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Molecular Weight:	28.9 kDa
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UniProt:	Q03358
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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.
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Restrictions:	For Research Use only
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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