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BARX Homeobox 2 Protein (BARX2) (AA 1-283) (His tag)



Image



Overview	
Quantity:	1 mg
Target:	BARX Homeobox 2 (BARX2)
Protein Characteristics:	AA 1-283
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BARX Homeobox 2 protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)
Product Details	
Sequence:	MHCHAELRLS SPGQLKAARR RYKTFMIDEI LSKETCDYFE KLSLYSVCPS LVVRPKPLHS
	CTGSPSLRAY PLLSVITRQP TVISHLVPTG SGLTPVLTRH PVAAAEAAAA AAETPGGEAL

ASSESETEQP TPRQKKPRRS RTIFTELQLM GLEKKFQKQK YLSTPDRLDL AQSLGLTQLQ VKTWYQNRRM KWKKMVLKGG QEAPTKPKGR PKKNSIPTSE EIEAEEKMNS QAQSQELLES SERQEEPCDT QEPKACLVPL EVAEPIHQPQ ELSEASSEPP PLS Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a

special request, please contact us.

Characteristics:

- Made in Germany from design to production by highly experienced protein experts.
- · Mouse Barx2 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- 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 will ensure that you receive a correctly folded protein.

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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receival of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm.

The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

The concentration of the protein is calculated using its specific absorption coefficient. We use the Expasy's protparam tool to determine the absorption coefficient of each protein.

Purification:

Two step purification of proteins expressed in baculovirus infected SF9 insect cells:

- 1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.
- 2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot

Purity:

>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.

Sterility:

0.22 µm filtered

Endotoxin Level:

Protein is endotoxin free.

Grade:

Crystallography grade

Target Details

Target:	BARX Homeobox 2 (BARX2)	
Alternative Name:	Barx2 (BARX2 Products)	
Background:	Transcription factor. Binds optimally to the DNA consensus sequence 5'-YYTAATGRTTTTY-3'.	
	May control the expression of neural adhesion molecules such as L1 or Ng-CAM during	

Target Details

Expiry Date:

	Target Details
involved	embryonic de in controlling
	Molecular Weight: 32.5 kDa Incl
	UniProt: 008686
	Application Details
	Application Notes: In addition to as well. As the though.
t a higher	Comment: Protein has no recombinant molecular we options with
	Restrictions: For Research
	Handling
	Format: Liquid
facturer.	Buffer: 100 mM NaC
	Handling Advice: Avoid repeate
	Storage: -80 °C
	Storage Comment: Store at -80°C
-	molecular we options with Restrictions: For Research Handling Format: Liquid Buffer: 100 mM NaC Handling Advice: Avoid repeate Storage: -80 °C

Unlimited (if stored properly)

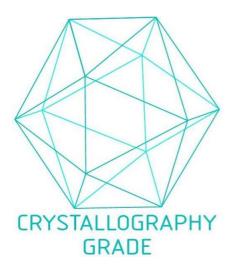


Image 1. "Crystallography Grade" protein due to multi-step, protein-specific purification process