.-online.com antibodies

## Datasheet for ABIN3121020 Neurogenin 2 Protein (NEUROG2) (AA 1-263) (His tag)



Image

Overview	

Quantity:	1 mg
Target:	Neurogenin 2 (NEUROG2)
Protein Characteristics:	AA 1-263
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Neurogenin 2 protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)
Product Details	
Sequence:	MFVKSETLEL KEEEEVLMLL GSASPASATL TPMSSSADEE EDEELRRPGS ARGQRGAEAE
	QGVQGSPASG AGGCRPGRLL GLMHECKRRP SRSRAVSRGA KTAETVQRIK KTRRLKANNR
	ERNRMHNLNA ALDALREVLP TFPEDAKLTK IETLRFAHNY IWALTETLRL ADHCAGAGGL
	QGALFTEAVL LSPGAALGAS GDSPSPPSSW SCTNSPASSS NSTSPYSCTL SPASPGSDVD
	YWQPPPPEKH RYAPHLPLAR DCI
	Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a
	special request, please contact us.
Characteristics:	<ul> <li>Made in Germany - from design to production - by highly experienced protein experts.</li> <li>Mouse Neurog2 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.</li> <li>State-of-the-art algorithm used for plasmid design (Gene synthesis).</li> </ul>
	This protein is a made to order protein and will be made for the first time for your order. Our

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN3121020 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

Target Details	
Grade:	Crystallography grade
Endotoxin Level:	Protein is endotoxin free.
Sterility:	0.22 µm filtered
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Purification:	<ul> <li>Two step purification of proteins expressed in baculovirus infected SF9 insect cells:</li> <li>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.</li> <li>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.</li> </ul>
	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.
	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.
	protein experts will do everything to make sure that you receive the protein you ordered.
	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
	experiments or purification optimization).
	custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression
	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
	cannot be expressed or purified.
	made proteins from other companies is that there is no financial obligation in case the protein
	The big advantage of ordering our made-to-order proteins in comparison to ordering custom
	experts in the lab will ensure that you receive a correctly folded protein.

Target:	Neurogenin 2 (NEUROG2)
Alternative Name:	Neurog2 (NEUROG2 Products)
Background:	Transcriptional regulator. Involved in neuronal differentiation. Activates transcription by binding to the E box (5'-CANNTG-3'). {ECO:0000269 PubMed:14697366}.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN3121020 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

Target Details			
Molecular Weight:	29.2 kDa Including tag.		
UniProt:	P70447		
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 gurantee though.		
Comment:	Protein has not been tested for activity yet. In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.		
Restrictions:	For Research Use only		
Handling			
Format:	Liquid		
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value 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:	Unlimited (if stored properly)		

## Images

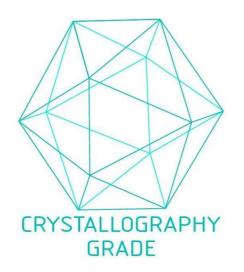


Image 1. "Crystallography Grade" protein due to multi-step,

protein-specific purification process

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/3 | Product datasheet for ABIN3121020 | 09/11/2023 | Copyright antibodies-online. All rights reserved.