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SNRPD2 Protein (AA 2-118) (His tag)



Image



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Overview

Quantity:	1 mg
Target:	SNRPD2
Protein Characteristics:	AA 2-118
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SNRPD2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), ELISA, Western Blotting (WB), Crystallization (Crys)
Product Details	
Sequence:	SLLNKPKSEM TPEELQKREE EEFNTGPLSV LTQSVKNNTQ VLINCRNNKK LLGRVKAFDR
	HCNMVLENVK EMWTEVPKSG KGKKKSKPVN KDRYISKMFL RGDSVIVVLR NPLIAGK
	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 Snrpd2 Protein (raised in E. Coli) 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 bacterial culture:

- 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:

Endotoxin has not been removed. Please contact us if you require endotoxin removal.

Grade:

Crystallography grade

Target Details

Target:	SNRPD2
Alternative Name:	Snrpd2 (SNRPD2 Products)
Background:	Core component of the spliceosomal U1, U2, U4 and U5 small nuclear ribonucleoproteins
	(snRNPs), the building blocks of the spliceosome. Thereby, plays an important role in the
	splicing of cellular pre-mRNAs. Most spliceosomal snRNPs contain a common set of Sm
	proteins SNRPB, SNRPD1, SNRPD2, SNRPD3, SNRPE, SNRPF and SNRPG that assemble in a
	heptameric protein ring on the Sm site of the small nuclear RNA to form the core snRNP (By

Target Details

Expiry Date:

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r it is highly likely that the r protein lab may suggest a higher bility. We will discuss all possible tein of interest.
ne discretion of the manufacturer.
t

Unlimited (if stored properly)

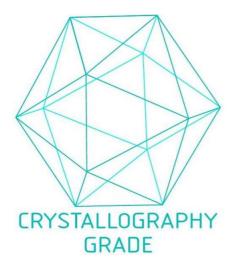


Image 1. "Crystallography Grade" protein due to multi-step, protein-specific purification process