Datasheet for ABIN5711759

GEMIN7 Protein (AA 1-131, full length) (GST tag)

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1 Image

Overview

Quantity:	100 µg
Target:	GEMIN7
Protein Characteristics:	full length, AA 1-131
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GEMIN7 protein is labelled with GST tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MQTPVNIPVP VLRLPRGPDG FSRGFAPDGR RAPLRPEVPE IQECPIAQES LESQEQRARA ALRERYLRSL LAMVGHQVSF TLHEGVRVAA HFGATDLDVA NFYVSQLQTP IGVQAEALLR CSDIISYTFK P
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	GEMIN7
Alternative Name:	GEMI7 (GEMIN7 Products)
Background:	The SMN complex plays a catalyst role in the assbly of small nuclear ribonucleoproteins (snRNPs), the building blocks of the spliceosome. Thereby, plays an important role in the

Target Details

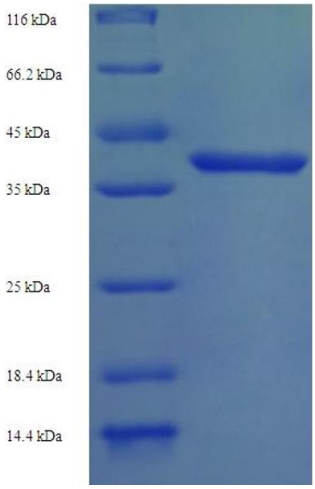
	splicing of cellular pre-mRNAs. Most spliceosomal snRNPs contain a common set of Sm proteins SNRPB, SNRPD1, SNRPD2, SNRPD3, SNRPE, SNRPF and SNRPG that assble in a heptameric protein ring on the Sm site of the small nuclear RNA to form the core snRNP. In the cytosol, the Sm proteins SNRPD1, SNRPD2, SNRPE, SNRPF and SNRPG are trapped in an inactive 6S pICln-Sm complex by the chaperone CLNS1A that controls the assbly of the core snRNP. Dissociation by the SMN complex of CLNS1A from the trapped Sm proteins and their transfer to an SMN-Sm complex triggers the assbly of core snRNPs and their transport to the nucleus.
Molecular Weight:	41.9 kDa
UniProt:	Q9H840
Pathways:	Ribonucleoprotein Complex Subunit Organization

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.

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