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# HNRPQ Protein (AA 2-191, partial) (GST tag)





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Quantity:	100 μg
Target:	HNRPQ
Protein Characteristics:	AA 2-191, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HNRPQ protein is labelled with GST tag.
Application:	SDS-PAGE (SDS)

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Product Details	
Sequence:	ATEHVNGNGT EEPMDTTSAV IHSENFQTLL DAGLPQKVAE KLDEIYVAGL VAHSDLDERA
	IEALKEFNED GALAVLQQFK DSDLSHVQNK SAFLCGVMKT YRQREKQGTK VADSSKGPDE
	AKIKALLERT GYTLDVTTGQ RKYGGPPPDS VYSGQQPSVG TEIFVGKIPR DLFEDELVPL
	FEKAGPIWDL
Purification:	SDS-PAGE
Purity:	> 90 %

# Target Details

Target:	HNRPQ
Alternative Name:	HNRPQ (HNRPQ Products)
Background:	Heterogenous nuclear ribonucleoprotein (hnRNP) implicated in mRNA processing

mechanisms. Component of the CRD-mediated complex that promotes MYC mRNA stability. Isoform 1, isoform 2 and isoform 3 are associated in vitro with pre-mRNA, splicing intermediates and mature mRNA protein complexes. Isoform 1 binds to apoB mRNA AU-rich sequences. Isoform 1 is part of the APOB mRNA editosome complex and may modulate the postranscriptional C to U RNA-editing of the APOB mRNA through either by binding to A1CF (APOBEC1 complentation factor), to APOBEC1 or to RNA itself. May be involved in translationally coupled mRNA turnover. Implicated with other RNA-binding proteins in the cytoplasmic deadenylation/translational and decay interplay of the FOS mRNA mediated by the major coding-region determinant of instability (mCRD) domain. Interacts in vitro preferentially with poly(A) and poly(U) RNA sequences. Isoform 3 may be involved in cytoplasmic vesiclebased mRNA transport through interaction with synaptotagmins. Component of the GAIT (gamma interferon-activated inhibitor of translation) complex which mediates interferongamma-induced transcript-selective translation inhibition in inflammation processes. Upon interferon-gamma activation assbles into the GAIT complex which binds to st loop-containing GAIT elents in the 3'-UTR of diverse inflammatory mRNAs (such as ceruplasmin) and suppresses their translation, ses not to be essential for GAIT complex function.

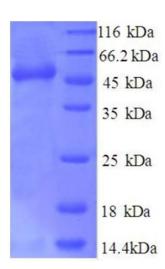
Molecular Weight:	48.2 kDa
UniProt:	060506

#### **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.