

Datasheet for ABIN5712283

**HNRPQ Protein (AA 2-191, partial) (GST tag)**[Go to Product page](#)**1** Image

## Overview

|                               |  |
|-------------------------------|--|
| 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)                               |

## Product Details

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

## Target Details

|                   |  |
|-------------------|--|
| Target:           | HNRPQ  |
| Alternative Name: | HNRPQ ( <a href="#">HNRPQ Products</a> )                                     |
| Background:       | Heterogenous nuclear ribonucleoprotein (hnRNP) implicated in mRNA processing |

## Target Details

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 complementation 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 vesicle-based mRNA transport through interaction with synaptotagmins. Component of the GAIT (gamma interferon-activated inhibitor of translation) complex which mediates interferon-gamma-induced transcript-selective translation inhibition in inflammation processes. Upon interferon-gamma activation assembles into the GAIT complex which binds to stem-loop-containing GAIT elements in the 3'-UTR of diverse inflammatory mRNAs (such as ceruplasmin) and suppresses their translation, seems not to be essential for GAIT complex function.

|                   |          |
|-------------------|----------|
| Molecular Weight: | 48.2 kDa |
|-------------------|----------|

|          |                        |
|----------|------------------------|
| UniProt: | <a href="#">O60506</a> |
|----------|------------------------|

## 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.**