Human HNRNPR / HNRNP-R / HNRNP R Protein (His & GST Tag)

Catalog Number: **14309-H20B**

Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

hnRNP-R; HNRNPR; HNRPR; 2610003J05Rik; 2610528B01Rik; Hnrpr

Protein Construction:

A DNA sequence encoding the human HNRNPR (O43390-2) (Ala2-Lys636) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

Source: Human

Expression Host: Baculovirus-Insect Cells

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per μg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 ℃

Predicted N terminal: Met

Molecular Mass:

The recombinant human HNRNPR /GST chimera consists of 872 amino acids and has a calculated molecular mass of 98.9 kDa. The recombinant protein migrates as an approximately 114 kDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile 20mM Tris, 500mM NaCl, 0.5mM GSH, pH 8.5, 3mM DTT, 10% glycerol

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

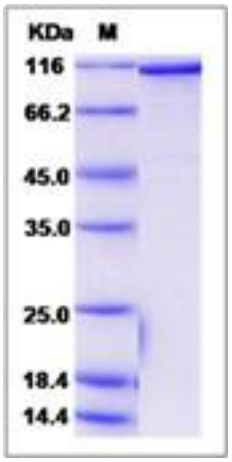
Store it under sterile conditions at -20℃ to -80℃ upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

HNRNP R, also known as HNRNPR, is a RNA binding protein. HNRNP R gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). HnRNPs complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. HNRNP R has three repeats of quasi-RRM domains that bind to RNAs and also contains a nuclear localization motif.

References

1.Rossoll, *et al*. (2002) Specific interaction of Smn, the spinal muscular atrophy determining gene product, with hnRNP-R and gry-rbp/hnRNP-Q: a role for Smn in RNA processing in motor axons?. Hum Mol Genet. 11 (1):93-105.
2.Mourelatos, Z, *et al*. (2001) SMN interacts with a novel family of hnRNP and spliceosomal proteins. EMBO J. 20(19):5443-52.
3.Hassfeld W, *et al*. (1998) Molecular definition of heterogeneous nuclear ribonucleoprotein R (hnRNP R) using autoimmune antibody: immunological relationship with hnRNP P. Nucleic Acids Res. 26(2):439-45.