hnRNP-R Protein, Human (sf9, His-GST)

Cat. No.:	HY-P73920
Synonyms:	Heterogeneous nuclear ribonucleoprotein R; hnRNP R; HNRNPR
Species:	Human
Source:	Sf9 insect cells
Accession:	O43390-2 (A2-K636)
Gene ID:	10236
Molecular Weight:	Approximately 114 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM Tris, 500 mM NaCl, 0.5 mM GSH, pH 8.5, 3 mM DTT, 10% Glycerol. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The hnRNP-R Protein functions as a component of ribonucleosomes, integral complexes composed of at least 20 diverse heterogeneous nuclear ribonucleoproteins (hnRNP). Operating within the nucleus, hnRNP-R and other hnRNPs play a crucial role in the processing of precursor mRNA. Notably, hnRNP-R has been identified in the spliceosome C complex and is also present in an IGF2BP1-dependent mRNP granule complex, which encompasses untranslated mRNAs. Additionally, hnRNP-R engages in interactions with GTPBP1, further contributing to its involvement in dynamic cellular processes and highlighting its multifaceted role in RNA metabolism and regulation.

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