Recombinant Human HNRNPC, His-tagged

Cat. No. HNRNPC-31724TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human hnRNP C1 + C2 (amino acids 1-293) with an N terminal His tag; 313aa, 34.5kDa inclusive of tag.
Species	Human
Source	E.coli
ProteinLength	293 amino acids
Description	This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they 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. The protein encoded by this gene can act as a tetramer and is involved in the assembly of 40S hnRNP particles. Multiple transcript variants encoding at least two different isoforms have been described for this gene.
Conjugation	HIS
Molecular Weight	34.500kDa inclusive of tags
Form	Liquid

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Purity	by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 30% Glycerol, 0.2M Sodium chloride, 5mM DTT, 20mM Tris HCl, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMASNVTNKTDPRSMNSRVFIGNLNTLVVKKSDVEAI FSKYGKIVGCSVHKGFAFVQYVNERNARAAVAGEDGRMIAGQVLDINLAAEPKVNR GKAGVKRSAAEMYGSSFDLDYDFQRDYYDRMYSYPARVPPPPPIARAVVPSKRQR VSGNTSRRGKSGFNSKSGQRGSSKSGKLKGDDLQAIKKELTQIKQKVDSLLENLEKI EKEQSKQAVEMKNDKSEEEQSSSSVKKDETNVKMESEGGADDSAEEGDLLDDDD NEDRGDDQLELIKDDEKEAEEGEDDRDSANGEDDS
Sequence Similarities	Belongs to the RRM HNRPC family. RALY subfamily.Contains 1 RRM (RNA recognition motif) domain.

GENE INFORMATION

Gene Name	HNRNPC heterogeneous nuclear ribonucleoprotein C (C1/C2) [Homo sapiens]
Official Symbol	HNRNPC
Synonyms	HNRNPC; heterogeneous nuclear ribonucleoprotein C (C1/C2); HNRPC; heterogeneous nuclear ribonucleoproteins C1/C2; hnRNPC;
Gene ID	3183
mRNA Refseq	NM_001077442

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Protein Refseq	NP_001070910
MIM	164020
Uniprot ID	P07910
Chromosome Location	14q11
Pathway	Formation and Maturation of mRNA Transcript, organism-specific biosystem; Gene Expression, organism-specific biosystem; Processing of Capped Intron-Containing Pre-mRNA, organism-specific biosystem; Regulation of Telomerase, organism-specific biosystem; Spliceosome, organism-specific biosystem;
Function	RNA binding; identical protein binding; nucleotide binding; protein binding;

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