





Recombinant Human Heterogeneous nuclear ribonucleoprotein H (HNRNPH1)

Product Code	CSB-EP010609HU
Relevance	This protein is a component of the heterogeneous nuclear ribonucleoprotein (hnRNP) complexes which provide the substrate for the processing events that pre-mRNAs undergo before becoming functional, translatable mRNAs in the cytoplasm. Mediates pre-mRNA alternative splicing regulation. Inhibits, together with CUGBP1, insulin receptor (IR) pre-mRNA exon 11 inclusion in myoblast. Binds to the IR RNA. Binds poly(RG).
Abbreviation	Recombinant Human HNRNPH1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P31943
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MLGTEGGEGFVVKVRGLPWSCSADEVQRFFSDCKIQNGAQGIRFIYTREGRP SGEAFVELESEDEVKLALKKDRETMGHRYVEVFKSNNVEMDWVLKHTGPNSP DTANDGFVRLRGLPFGCSKEEIVQFFSGLEIVPNGITLPVDFQGRSTGEAFVQF ASQEIAEKALKKHKERIGHRYIEIFKSSRAEVRTHYDPPRKLMAMQRPGPYDRP GAGRGYNSIGRGAGFERMRRGAYGGGYGGYDDYNGYNDGYGFGSDRFGR DLNYCFSGMSDHRYGDGGSTFQSTTGHCVHMRGLPYRATENDIYNFFSPLNP VRVHIEIGPDGRVTGEADVEFATHEDAVAAMSKDKANMQHRYVELFLNSTAG ASGGAYEHRYVELFLNSTAGASGGAYGSQMMGGMGLSNQSSYGGPASQQL SGGYGGGYGGQSSMSGYDQVLQENSSDFQSNIA
Source	E.coli
Target Names	HNRNPH1
Expression Region	2-449aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	65.1kDa
Protein Length	Full Length of Mature Protein
Image	

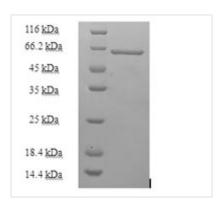
CUSABIO TECHNOLOGY LLC



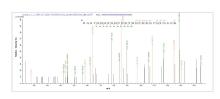




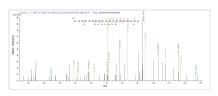




(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP010609HU could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) HNRNPH1.



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Description

The region for expressing recombinant Human HNRNPH1 contains amino acids 2-449. This HNRNPH1 protein is theoretically predicted to have a molecular weight of 65.1 kDa. This HNRNPH1 recombinant protein is manufactured in e.coli. The HNRNPH1 gene fragment has been modified by fusing the Nterminal 6xHis-SUMO tag, providing convenience in detecting and purifying the recombinant HNRNPH1 protein during the following stages.

Human heterogeneous nuclear ribonucleoprotein H (HNRNPH1) is a multifunctional RNA-binding protein that plays crucial roles in various aspects of RNA metabolism. As a member of the hnRNP family, HNRNPH1 is involved in pre-mRNA processing, including splicing, mRNA transport, and stability. It forms ribonucleoprotein complexes and contributes to the regulation of alternative splicing, influencing the diversity of the proteome. Beyond its role in RNA processing, HNRNPH1 has been implicated in other cellular functions, including transcriptional regulation and telomere maintenance. Dysregulation of HNRNPH1 has been associated with several diseases, including cancer, highlighting its significance in cellular homeostasis.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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