HNRPM Protein, Human (N-His)

Cat. No.:	HY-P701226
Synonyms:	CEAR; hnRNP M; HNRNPM4; HNRPM; HNRPM4; HTGR1; NAGR1
Species:	Human
Source:	E. coli
Accession:	P52272-2 (M1-A691)
Gene ID:	4670
Molecular Weight:	Approximately 75 kDa

PROPERTIES

AA Sequence

MAAGVEAAAE VAATEIKMEE ESGAPGVPSG NGAPGPKGEG
ERPAQNEKRK EKNIKRGGNR FEPYANPTKR YRAFITNIPF
DVKWQSLKDL VKEKVGEVTY VELLMDAEGK SRGCAVVEFK
MEESMKKAAE VLNKHSLSGR PLKVKEDPDG EHARRAMQKA
GRLGSTVFVA NLDYKVGWKK LKEVFSMAGV VVRADILEDK
DGKSRGIGTV TFEQSIEAVQ AISMFNGQLL FDRPMHVKMD
ERALPKGDFF PPERPQQLPH GLGGIGMGLG PGGGQPIDAN H
LNKGIGMGNI GPAGMGMEGI GFGINKMGGM EGPFGGGMEN
MGRFGSGMNM GRINEILSNA LKRGEIIAKQ GGGGGGGSVP
GIERMGPGID RLGGAGMERM GAGLGHGMDR VGSEIERMGL
VMDRMGSVER MGSGIERMGP LGLDHMASSI ERMGQTMERI
GSGVERMGAG MGFGLERMAA PIDRVGQTIE RMGSGVERMG
PAIERMGLSM ERMVPAGMGA GLERMGPVMD RMATGLERMG
ANNLERMGLE RMGANSLERM GLERMGANSL ERMGPAMGPA
LGAGIERMGL AMGGGGGASF DRAIEMERGN FGGSFAGSFG
GAGGHAPGVA RKACQIFVRN LPFDFTWKML KDKFNECGHV
LYADIKMENG KSKGCGVVKF ESPEVAERAC RMMNGMKLSG
REIDVRIDRN A

Appearance	Lyophilized powder
Formulation	Lyophilized from sterile 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol.
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. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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 HNRNPM protein emerges as a crucial pre-mRNA binding protein in vivo, exhibiting a strong affinity for poly(G) and poly(U) RNA homopolymers in vitro. Functionally implicated in splicing processes, HNRNPM plays a significant role in the intricate regulation of RNA maturation. Beyond its involvement in splicing, it acts as a receptor for carcinoembryonic antigen in Kupffer cells, potentially initiating a cascade of signaling events leading to the tyrosine phosphorylation of proteins and the induction of cytokines such as IL-1 alpha, IL-6, IL-10, and tumor necrosis factor alpha. Notably, HNRNPM is identified as a component of the spliceosome C complex, underscoring its association with fundamental RNA processing machinery. Moreover, the protein interacts with PPIA/CYPA, further expanding its network of molecular interactions and highlighting its multifaceted role in cellular processes.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA