

## Product datasheet for **TP760393**

### **HNRPM (HNRNPM) (NM\_031203) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human heterogeneous nuclear ribonucleoprotein M (HNRNPM), transcript variant 2, with N-terminal HIS tag, expressed in E.Coli, 50ug
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	A DNA sequence encoding human full-length HNRNPM
<b>Tag:</b>	N-His
<b>Predicted MW:</b>	73.4 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
<b>Bioactivity:</b>	Enzyme substrate (PMID: <a href="#">25926642</a> )
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_112480</a>
<b>Locus ID:</b>	4670
<b>UniProt ID:</b>	<a href="#">P52272</a>
<b>RefSeq Size:</b>	2586
<b>Cytogenetics:</b>	19p13.2
<b>RefSeq ORF:</b>	2073
<b>Synonyms:</b>	CEAR; hnRNP M; HNRNPM4; HNRPM; HNRPM4; HTGR1; NAGR1


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**Summary:**

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 has three repeats of quasi-RRM domains that bind to RNAs. This protein also constitutes a monomer of the N-acetylglucosamine-specific receptor which is postulated to trigger selective recycling of immature GlcNAc-bearing thyroglobulin molecules. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011]

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Spliceosome

**Product images:**