

Product datasheet for **SC111142**

HRSP12 (RIDA) (NM_005836) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HRSP12 (RIDA) (NM_005836) Human Untagged Clone
Tag:	Tag Free
Symbol:	HRSP12
Synonyms:	hp14.5; HRSP12; P14.5; PSP; UK114
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111142 sequence for NM_005836 edited (data generated by NextGen Sequencing) ATGTCGTCCTTGATCAGAAGGGTGATCAGCACCGCAAAGCCCCAGGGGCCATTGGACCC TACAGTCAAGCTGTATTAGTCGACAGGACCATTTACATTTACAGGACAGATAGGCATGGAC CCTTCAAGTGGACAGCTTGTGTCAGGAGGGGTAGCAGAAGAAGCTAAACAAGCTCTTAAA AACATGGGTGAAATTCTGAAAGCTGCAGGCTGTGACTTCACTAACGTGGTAAAACT GTTCTTCTGGCTGACATAAATGACTTCAATACTGTCAATGAAATCTACAAACAGTATTTT AAGAGTAATTTTCTGCTAGAGCTGCTTACCAAGTTGCTGCTTTACCCAAAGGCAGCCGA ATTGAAATTGAAGCAGTAGCTATCCAAGGACCACTGACAACGGCATCACTATAA Clone variation with respect to NM_005836.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005836 unedited
 NGGGTTACATTTTGGTATACGACTCACTTATAGGGCGGCCGCGATTCCGGCACGAGGCTT
 CTCCTGAGGGGCTGCAAGAGGGAAGGCTTAGCCATGTCGTCCTTGATCAGAAGGGTGATC
 AGCACCGCGAAAGCCCCAGGGGCCATTGGACCTACAGTCAAGCTGTATTAGTCGACAGG
 ACCATTTACATTTTCAAGCAGATAGGCATGGACCTTCAAGTGGACAGCTTGTGTCAGGA
 GGGGTAGCAGAAGAAGCTAAACAAGCTCTAAAAACATGGGTGAAATTCGAAAGCTGCA
 GGCTGTGACTTCACTAACGTGGTGAACAACAAGTCTTCTTCTGGCTGACATAAATGACTTC
 AATACTGTCAATGAAATCTACAAACAGTATTTCAAGAGTAATTTTCTGCTAGAGCTGCT
 TACCAAGTTGCTGCTTTACCCAAAGGCAGCCGAATTGAAATTGAAGCAGTAGCTATCCAA
 GGACCACTGACAACGGCATCACTATAAGTGGGCCAGTGTGTAGTCTGGAATTGTTA
 ACATTTTAAATTTTACAATTGATGTAACATCTTAATTAACCTTTTAAATTTTACAATTGA
 TGACAGTGTGAGTTTATGAAAAATCTGAAGCTATTATGAAAATACCATGTAATAGGGA
 GAGTTGAACATGAATATTAGAGAAGGAATCCAGTACTTTNTTAAATTACACCTGTGTGC
 ACCTGTATTACTGAATATAGGAAAGAGATCCCCATTACATAGTACTCAGTAAACAAAAG
 AGAATACCCAGTAGGAAGAAGAGTACTATTCCTGAGGAATAATCAAGACATATTTAATTT
 TAACTAATGATGTGACTATTTAGTTTGTGTCGGTTATGTGATTCTGCTTACCTGAGT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005836 unedited
 TGGACCGCGGCCCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTAAAACTGCCTATTTTATTTCCATTAATAAATATTATCTATATAACATT
 TTGGTCCACTATCTTCTCCTTGATCTCAAATTTAAACACTTTAATTTTACTCAAGTAAAA
 GCAGAATCACCTAACGGGCATCAAACTAAATAGTTTACATCATTAGTTTAAATTAATA
 TGGTCTTGATTATTTCTCAGGAATAGTAACTCTCTTTCTACCTGGGATTTCTCTTTTG
 GTTACTGAGTAACTATGGAAGGGGGATCTTTTCTATATTCAGGAATACAGGGGCACAC
 AGGGGTAAATTTAAAAAGTAACTGGATTCTTCTTAATATTCATGGTCAACTCTCCCTA
 TTACATGGGATTTCCATAATAGCTTCAGATATTTTTCATCAAACTCACACTGGCATCAATT
 GGGAAAATTTAAAGGGTAATTAAGATGTTACATCAATTGTAATAAATTTAAATGTTAAACA
 TTCCAGACTACACAGCACTGGGCCCACTTATAGTATGATGCGGTTGTCAGTGGTCTTGGAT
 AGTACTGCTTCAATTTCAATTCGGCTGCCTTTGGGTAAGCAGCAACTGTAAGCAGCT
 TAGCAGGAAAAAATACTCTGAATACTGGNTGTAGATTCATTGACAGTTTTGAGTCTTTAT
 GTCAGCCGAAGACAGTTGTTTCACCCGTTAGTGAGTCCCAGCCTGCAGTTCAGATTTCA
 CCCATGTTTTNAAAGCTNGGTTAGCTTTTTGCTANCCTNCTGACACAGCTGCACTGAAG
 GGCCATGCCTATCTGCCTGAAATGTAAAGGGCCTGTCACTAATACGCCTGACTGAGG

Restriction Sites:

NotI-NotI

ACCN:

NM_005836

Insert Size:

1020 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_005836.2](#), [NP_005827.1](#)

RefSeq Size: 1011 bp

RefSeq ORF: 414 bp

Locus ID: 10247

UniProt ID: [P52758](#)

Cytogenetics: 8q22.2

Domains: ribonuc_L-PSP

Gene Summary: Catalyzes the hydrolytic deamination of enamine/imine intermediates that form during the course of normal metabolism. May facilitate the release of ammonia from these potentially toxic reactive metabolites, reducing their impact on cellular components. It may act on enamine/imine intermediates formed by several types of pyridoxal-5'-phosphate-dependent dehydratases including L-threonine dehydratase.[UniProtKB/Swiss-Prot Function]