

Product datasheet for **RG203107**

HRSP12 (RIDA) (NM_005836) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: HRSP12 (RIDA) (NM_005836) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: HRSP12
Synonyms: hp14.5; HRSP12; P14.5; PSP; UK114
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG203107 representing NM_005836
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGTCCTTGATCAGAAGGGTGATCAGCACCGCAAAGCCCCAGGGGCCATTGGACCCTACAGTCAAG
CTGTATTAGTCGACAGGACCATTTACATTTAGGACAGATAGGCATGGACCCTTCAAGTGGACAGCTTGT
GTCAGGAGGGGTAGCAGAAGAAGCTAAACAAGCTCTTAAAAACATGGGTGAAATTCTGAAAGCTGCAGGC
TGTGACTTCACTAACGTGGTAAAACAACTGTTCTTCTGGCTGACATAAATGACTTCAATACTGTCAATG
AAATCTACAAACAGTATTTCAAGAGTAATTTCTGCTAGAGCTGCTTACCAAGTTGCTGCTTTACCCAA
AGGCAGCCGAATTGAAATTGAAGCAGTAGCTATCCAAGGACCACTGACAACGGCATCACTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203107 representing NM_005836
Red=Cloning site Green=Tags(s)
MSSLIRRVISTAKAPGAI GPYSQAVLVDRTIYISGQIGMDPSSGQLVSGGVAEEAKQALKNMGEILKAAG
CDFTNVVKTTVLLADINDFNTVNEIYKQYFKSNFPARAAYQVAALPKGSRIEIEAVAIQGPLTTASL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_005836

ORF Size: 411 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

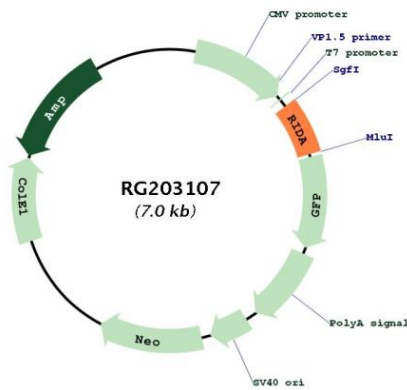
RefSeq: [NM_005836.3](#)

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]

Product images:



Circular map for RG203107