

Product datasheet for **SC103121**

HRP2 (HDGFRP2) (AK027353) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HRP2 (HDGFRP2) (AK027353) Human Untagged Clone
Tag:	Tag Free
Symbol:	HDGFRP2
Synonyms:	HDGF-2; HDGF2; HRP-2
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for AK027353, the custom clone sequence may differ by one or more nucleotides

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AAGGTCGACAGCCCGGACGTGAAGAGGTGCCTGAATGCCCTAGAGGAGCTGGGAACCCTGCAGGTGACCT
CTCAGATCCTCCAGAAGAACACAGACGTGGTGGCCACCTGAAGAAGATTCGCCGTTACAAAGCGAACAA
GGACGTAATGGAGAAGGCAGCAGAAGTCTATACCCGGCTCAAGTCGCGGGTCTCGGCCAAAGATCGAG
GCGGTGCAGAAAGTGAACAAGGCTGGGATGGAGAAGGAGAAGGCCGAGGAGAAGCTGGCCGGGAGGAGC
TGGCCGGGAGGAGGCCCCAGGAGAAGGCGGAGGACAAGCCAGCACCATCTCTCAGCCCCAGTGAA
TGGCGAGGCCACATCACAGAAGGGGAGAGCGCAGAGGACAAGGAGCAGCAGGAGGGTCCGGACTCGGAG
GAGGGGCCAAGGTGTGGCTCCTCTGAAGACCTGCACGAGTGAGTGTCCCGGGCCGTGGGGTTTGACTCC
TGAGCGGCAGCGGTGTGACGCGCACCCCTGGGTCCGAGCCGCTCCTCCTGTGCCAGTCCCTCTGGGATGGG
TCCCAGGGATGTCGTCTTACTCGGGCCTCCCACCTTCACAGCTGACCCAGGGCCCCGCTGGCTGGCAC
TTCCGGCGGCCCTACAGAGAGGCAGCTCCAGGGCTTTGAGTGCCTGCCCTGGCTCCTGGGAAGGTG
GCTTCTTGCCGAGCCTCCAGGGTGGCCAGGTAGGTAGCCCCGAGCACAGGCACCCGGCTATCTGACGG
TGCCTGTGCCATCACTGTGGCTGCTGTCTGGTACAAGGCTCAGTGGAGTCACTCACTTACCCAGCAGC
TGCCTTGCTATGCCTGGCTGGCGCCAGCGTGGGGACCCTGGAGATGGTTGTGGTCTCTAGTGGCAGAA
GACAGGCAGATAGGAGGGCGCACTCGAGCCTCAGGTGCCACAACGGGGGTACACTCCTCGTGCCCATC
CCACCAACCGCCCTACAGGCAGGGCAGGGCGGGAGGGCATCCTCACACCGCCTTTGCTGTTCCACCA
GCAGCGTACGGGAGGGTCCCGACCTGGACAGGCCTGGGAGCGACCGGCAGGAGCGCAGAGGGCACGGGG
GGACTCGGAGGCCCTGGACGAGGAGAGCTGAGCCGCGGGCAGCCAGGCCAGCCCCGCCCGAGCTCAGG
CTGCCCTCCTTCCCCGGCTCGCAGGAGAGCAGAGCAGAGAAGTGTGGGAACGCTGTGCTGTTTGTGTA
TTTGTCCCTGGGTTTTTTTTCTGCCTAATTTCTGTGATTTCAACCAACATGAAATGACTATAAAT
GGTTTTTAATGAAAAAAG
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5' Read Nucleotide Sequence:	>OriGene 5' read for AK027353 unedited CCAGGAAACCTGGCCAGAAGGAGAAGAGAGTGC GGCCCGAGGAGAAGCAACAAGCCAAGC CCGTGAAGGTGGAGCGGACCCGGGAAAGCGGTCCGAGGGCTTCTCGATGGACAGGAAGGTAG AGAAGAAGAAAGAGCCCTCCGTGGAGGAGAAGCTGCAGAAGCTGCACAGTGAGATCAAGT TTGCCCTAAAGGTCGACAGCCCGGACGTGAAGAGGTGCCTGAATGCCCTAGAGGAGCTGG GAACCTGCAGGTGACCTCTCAGATCCTCCAGAAGAACACAGACGTGGTGGCCACCTTGA AGAAGATTCGCCGTTACAAAGCGAACAAGGACGTAATGGAGAAGGCAGCAGAAAGTGAACAAGG CCCGGCTCAAGTCGCGGGTCTCGGCCAAAGATCGAGGCGGTGCAGAAAGTGAACAAGG CTGGGATGGAGAAGGAGAAGGCCGAGGAGAAGCTGGCCGGGGAGGAGCTGGCCGGGGAGG AGGCCCCAGGAGAAGGCGGAGGACAAGCCAGCACCGATCTCTCAGCCCCAGTGAATG GCGAGGCCACATCACAGAAGGGGGAGAGCGCANAGGACANGGAGCACGAGGAGGGTCGG NNACTCGAGGANGGCCCAAGGTGTNGGCTCTCTNGAGACCTGCACGACAGCGTACGGGN AGGGTCCCAGCTGGACAGGCCCTGGANCNACCCGACACNCNANAGGGCACGGGGGACT CNNAGCCCTGACGAGAGANTGACNCGGGCANAGCCANCCCCCGGACTAGGNTGCC TTTCTTTTCCGGTGAGAAACAACNAACTGGGGGACGCGGCCGNNGGTTNGCCCCCT GGGTGTTTTCCGCCAATTTGGGAG
Restriction Sites:	NotI-NotI
ACCN:	AK027353
Insert Size:	1250 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:	<ol style="list-style-type: none">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:	AK027353.1
RefSeq Size:	1349 bp
RefSeq ORF:	1349 bp
Locus ID:	84717
Cytogenetics:	19p13.3

Gene Summary:

This gene encodes a member of the hepatoma-derived growth factor (HDGF) family. The protein includes an N-terminal PWWP domain that binds to methyl-lysine-containing histones, with specific binding of this protein to tri-methylated lysines 36 and 79 of histone H3, and di- and tri-methylated lysine 20 of histone H4. The protein functions in LEDGF/p75-independent HIV-1 replication by determining HIV-1 integration site selection. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Apr 2014]