

Product datasheet for **SC300204**

HRP2 (HDGFRP2) (NM_001001520) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HRP2 (HDGFRP2) (NM_001001520) Human Untagged Clone
Tag:	Tag Free
Symbol:	HDGFL2
Synonyms:	HDGF-2; HDGF2; HDGFRP2; HRP-2; HRP2
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF:	<p>>NCBI ORF sequence for NM_001001520, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGCCACACGCCTTCAAGCCCGGGGACTTGGTGTTCGCTAAGATGAAGGGCTACCCTCAC TGGCCTGCCAGGATCGACGACATCGCGGATGGCGCCGTGAAGCCCCACCAACAAGTAC CCCATCTTTTTCTTTGGCACACACGAAACAGCCTTCTGGGACCAAGGACCTGTCCCC TACGACAAATGTAAGACAAGTACGGGAAGCCCAACAAGAGGAAAGGCTTCAATGAAGGG CTGTGGGAGATCCAGAACAACCCCGCCAGCTACAGCGCCCTCCGCCAGTGAGCTCC TCCGACAGCGAGGCCCGAGGCCAACCCCGCCGACGGCAGTGACGCTGACGAGGACGAT GAGGACCGGGGGTTCATGGCCGTACAGCGGTAACCGCCACAGCTGCCAGCGACAGGATG GAGAGCGACTCAGACTCAGACAAGAGTAGCGACAACAGTGGCCTGAAGAGGAAGACGCT GCGCTAAAGATGTCGGTCTCGAAACGAGCCGAAAGGCCCTCCAGCGACCTGGATCAGGCC AGCGTGTCCCATCCGAAGAGGAGAACTCGGAAAGCTCATCTGAGTCGGAGAAGACCAGC GACCAGGACTTCACACCTGAGAAGAAAGCAGCGGTCCGGGCGCCACGGAGGGGCCCTCTG GGGGACGGAAAAAAGAAGGCCCATCAGCCTCCGACTCCGACTCCAAGGCCGATTCCG GACGGGGCCAAGCCTGAGCCGGTGGCCATGGCGCGGTCCGCGTCTCTCTCTCTCTCC TCCTCCTCCTCCGACTCCGATGTGTCTGTGAAGAAGCCTCCGAGGGGCAGGAAGCCAGCG GAGAAGCCTCTCCGAAGCCGCGAGGGCGGAAACCGAAGCCTGAACGGCCTCCGTCCAGC TCCAGCAGTGACAGTGACAGCGACGAGGTGGACCGCATCAGTGAGTGGAAGCGGGCGGAC GAGGCGCGGAGGCGCGAGCTGGAGGCCCGCGCGGCGAGAGCAGGAGGAGGAGCTGCGG CGCCTGCGGGAGCAGGAGAAGGAGGAGAAGGAGCGGAGGCGGAGCGGGCCGACCGCGGG GAGGCTGAGCGGGGACGCGGCGGAGCAGCGGGGACGAGCTCAGGAGGACGATGAGCCC GTCAAGAAGCGGGGACGCAAGGGCCGGGGCCGGGGTCCCCGTCCTCTGACTCCGAG CCCAGGCCGAGCTGGAGAGAGGCAAGAAATCAGCGAAGAAGCCGAGTCTCAAGC ACAGAGCCCGCCAGGAAACCTGGCCAGAAAGGAGAAGAGAGTGCGGCCCGAGGAGAAGCAA CAAGCCAAGCCCGTGAAGGTGGAGCGGACCCGGAAGCGGTCCGAGGGCTTCTCGATGGAC AGGAAGGTAGAGAAGAAGAAAGAGCCCTCCGTGGAGGAGAAGCTGCAGAAGCTGCACAGT GAGATCAAGTTTGCCTAAAGGTCGACAGCCGGACGTGAAGAGGTGCCTGAATGCCCTA GAGGAGCTGGGAACCCTGCAGGTGACCTCTCAGATCCTCCAGAAGAACACAGACGTGGTG GCCACCTGAAGAAGATTCGCCGTTACAAAGCGAACAAGGACGTAATGGAGAAGGCAGCA GAAGTCTATACCCGGCTCAAGTCGCGGGTCTCGGCCAAAGATCGAGGGGTGCAGAAA GTGAACAAGGCTGGGATGGAGAAGGAGAAGGCCGAGGAGAAGCTGGCCGGGGAGGAGCTG GCCGGGGAGGAGGCCCCAGGAGAAGGCGGAGGACAAGCCAGCACCGATCTCTCAGCC CCAGTGAATGGCGAGGCCACATACAGAAGGGGAGAGCGCAGAGGACAAGGAGCACGAG GAGGGTCGGGACTCGGAGGAGGGGCCAAGGTGTGGCTCTCTGAAGACCTGCACGACAGC GTACGGGAGGGTCCCAGCCTGGACAGGCCTGGGAGCGACCGGCAGGAGCGCGAGAGGGCA CGGGGGGACTCGGAGGCCTGGACGAGGAGAGCTGA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001001520
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001001520.1](#), [NP_001001520.1](#)

RefSeq Size: 2344 bp

RefSeq ORF: 2016 bp

Locus ID: 84717

UniProt ID: [Q7Z4V5](#)

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]
Transcript Variant: This variant (1) encodes isoform 1.