

Product datasheet for **SC116761**

HIP2 (UBE2K) (NM_005339) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HIP2 (UBE2K) (NM_005339) Human Untagged Clone
Tag:	Tag Free
Symbol:	HIP2
Synonyms:	E2-25K; HIP2; HYPG; LIG; UBC1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005339, the custom clone sequence may differ by one or more nucleotides

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ATGGCCAACATCGCGGTGCAGCGAATCAAGCGGGAGTTCAAGGAGGTGCTGAAGAGCGAGGAGACGAGCA
AAAATCAAATTAAGTAGATCTTGTAGATGAGAATTTTACAGAATTAAGAGGAGAAATAGCAGGACCTCC
AGACACACCATATGAAGGAGGAAGATACCAACTAGAGATAAAAAACCAGAAACATACCCATTTAATCCC
CCTAAGGTCCGGTTTACTACTAAAATATGGCATCCTAATATTAGTTCCGTCACAGGGGCTATTTGTTTGG
ATATCCTGAAAGATCAATGGGCAGCTGCAATGACTCTCCGCACGGTATTATTGTCATTGCAAGCACTATT
GGCAGCTGCAGAGCCAGATGATCCACAGGATGCTGTAGTAGCAAATCAGTACAAACAAAATCCCAGAAATG
TTCAAACAGACAGCTCGACTTTGGGCACATGTGTATGCTGGAGCACCAGTTTCTAGTCCAGAATACACCA
AAAAAATAGAAAACCTATGTGCTATGGGCTTTGATAGGAATGCAGTAATAGTGGCCTTGCTTCAAATC
ATGGGATGTAGAGACTGCAACAGAATTGCTTCTGAGTAACTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_005339 unedited AGAGTCGATTATTGTATACGACTCACTATAGGCGGCCGCGNAATTCGCACGAGGGAGGAG GCGGGTACGAATCAGCTGCGGGCGGAGACATGGCCAACATCGCGGTGCAGCGAATCAAGC GGGAGTTCAAGGAGGTGCTGAAGAGCGAGGAGACGAGCAAAAAATCAAATTAAGTAGATC TTGTAGATGAGAATTTTACAGAATTAAGAGGAGAAATAGCAGGACCTCCAGACACACCAT ATGAAGGAGGAAGATACCAACTAGAGATAAAAAATACCAGAAACATACCCATTTAATCCCC CTAAGGTCGGTTTATCACTAAAAATATGGCATCCTAATATTAGTTCGGTCACAGGGGCTA TTTGTTGGATATCCTGAAAGATCAATGGGCAGCTGCAATGACTCTCCGCACGGTATTAT TGTCATTGCAAGCACTATTGGCAGCTGCAGAGCCAGATGATCCACAGGATGCTGTAGTAG CAAATCAGTACAAAACAAAATCCCGAAATGTTCAAACAGACAGCTCGACTTTGGGCACATG TGTATGCTGGAGCACCAGTTTCTAGTCCAGAATACACCAAAAAAATAGAAAACCTATGTG CTATGGGCTTTGATAGGAATGCAGTAATAGTGGCCTTGCTTCAAATCATGGGATGTAG AGACTGCAACAGAATTGCTTCTGAGTAAGTACTGAGGCATAGAGAGCTGCTGATATAGTCAAG CTTGCCTCTTCTGAGGAGCACCAACATCTGTTATTTTTAGGATTCTGCATAGATTTCTT TTAACTGGCATTCTTGCTAATGATGTTATCTAGGCACCATTGGAGACTGAAAAA AATCCTGCTCTGTAATAAGCTAATTAACGTCTGTGTAATTAAGGGGAATACTT TAATTNTTTTTCTAATAGTGTA
Restriction Sites:	NotI-NotI
ACCN:	NM_005339
Insert Size:	4890 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:	NM_005339.3 , NP_005330.1
RefSeq Size:	2208 bp
RefSeq ORF:	603 bp
Locus ID:	3093
UniProt ID:	P61086
Cytogenetics:	4p14
Domains:	UBA, UBCc
Protein Families:	Druggable Genome, Transcription Factors

Protein Pathways: Ubiquitin mediated proteolysis

Gene Summary: The protein encoded by this gene belongs to the ubiquitin-conjugating enzyme family. This protein interacts with RING finger proteins, and it can ubiquitinate huntingtin, the gene product for Huntington's disease. Known functions for this protein include a role in aggregate formation of expanded polyglutamine proteins and the suppression of apoptosis in polyglutamine diseases, a role in the dislocation of newly synthesized MHC class I heavy chains from the endoplasmic reticulum, and involvement in foam cell formation. Multiple transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.