

Product datasheet for **SC123749**

HIP2 (UBE2K) (BC006419) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HIP2 (UBE2K) (BC006419) Human Untagged Clone
Tag:	Tag Free
Symbol:	HIP2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene sequence for BC006419 edited</p> <pre>GCAGCTGGGAGGACCCTCCGCCCCAGGCAGAGGTGGGGATATCCGGGAGTTCATTTCT GACCTCCTCGCTCTTCAGCACCTCCTTGAACCTCCGCTTGATTGCTGCACCGCATGTT GGCCATGTCTCCGCCCGAGCTGATTCTGACCCGCTCCTCCGCCACCGCTACGACCACC GCCACCGCCGCCACCTTCTCCTCCACCGCTCCTCCCTCGGGATTTCAGACCTGAGCACA CGAACACTGCCACTACCACCCGGCCGCGCTCGCCTCAGTGTGGAATCACCTCCGCG CCCGGCCACAAAATGGCGCCGGTTCGGCGCATGCGCACGACGTTGACCCGGCCGGGCGG CGCAGCCGCTCCTGTTGGAGCCCCATACGCCCGAGCCACGAGCTCGCGTCTCGGCTGG GCTGGCCGCGCTGGCTCCGCCCTGCCGGCGTCTGGGGCCGCGAGGGTGC GGCTTCCAAG CTGGCCGGCCCTAGCCGGCCCCCGGCCCTTCCCGCGCCTCCGCTCCTGTTAAACCC GGGTGCTGTGGTCTGGGTTCCAGCGCTGGCCTTGACCGAAGGTTGGGGCGCAACCGAA CGGGTTTCCGACGCCGCACTCGGCTGGAACGCCGCCCTGACTCAGCTAGACCCGGAACCC GGAGGCTGAACGCCGTGTCTAGCGCAGGAAAACGCTCTCCGGATCTCGGTCCGGCCAT TTTCAGTTGGTGTAGCCCAGAAAATCTACTGCAGTCGTTTTTGTCTGCAACATTTATA GTACCACGATTATCCCATCATCTCAGGTAGCACAGATTATTGAATTAAGGCTGGTTATT GTTGGATCAGATTGGGTTTGAGACAGTACTCGGTGGAGAGGCCTGAGGGTGGGTTTAGA AGCCAGATGTTGCTCTTTGACCTATTTAATACCGAGCTTGACACACACACAATCTCTC TCTCTCTCTCTCTCTCACACACACACACACACACACTCACTCCTATGCCATCC CTAGAGTGTAGGGTGGGCTAAGACTGCGCTTCTAACAAGTCTCCAGTTGCTGCTGCTG TTGGTGTGTTCCGGGACCACATTATGAGAACCCTGAACTGAATGAAGCATGTGAAAA TTCACATATATTAAGTGAATAATGGAGAAATGGAACAATTACAGTACCCTTCAGGGGA CTCGGGGTGGGGAGGGGAGCCTTATTCTGTAACCTAGGCCTCAAAGGTGCCTGGT ATAGTAGGCACTCAATAAATATTGAATGAGTAAATGAGTACAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAAAAAAAAAA</pre>



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC006419 unedited NAAGTACAAAATTTGTAATACGACTCACTATNAGGGCCGGCCGGAATTCGCACGAGGGC AGCTGGGAGGACCCTCCC GCCCAGGCAGAGGTGGGGATATCCGGGAGTTCAATTCTGA CCTCTCGCTCTTCAGCACCTCCTTGAACCTCCGCTTGATTTCGCTGCACCGCATGTTGG CCATGTCTCCGCCGAGCTGATTTCGTACCCGCCTCCTCCGCCACCGCTACGACCACCGC CACCGCCGCCACCTCTTCTCCACCGCTCCTCCCTCGGCGATTACAGACCTGAGCACAG AACACTGCCACTACCACCCGGCCGGCGCTCGCCTCAGTGTGGAATCACCTCCGCGCC CGGCCACCAAAATGGCGCCGGTTCGGCGCATGCGCACGAGTTGACCCGGCCGGGCGGCG CAGCCGCTCCTGTTGGAGCCCCATACGCCGAGCCACGAGCTCGCGTCTCGGCTGGGGC TGCGGCCGCGTGGCTCCGCCCTGCCGGCTCTGGGGCCGCGAGGGTTCGGCTTCCAAGCT GGCCGGCCCTAGCCGGCCCCCGGCCCTTCCGGCGCTCCGCTCCTGTTTAAACCCGG GTGCTGTGGTCTGGGCTTCCAGCGCTGGCCTCTGACCGAAGTTTCGGGCGCAACCGAAC GGTTTCCGACGCCGACTCGGCTGGAACGCCGCCCTGACTCAGCTAGACCCGGAACCCGG AGGCTGAACGCCGTGTCTAGCGCAAGANAACGCTCTCCCGGATCTCGGTCCGGCCATTT TCAGTTGGTGTAGCCCCAGAAAATCTACTGCAGTCGTTTTTGTTCGCACATTTATAGTA CCACGATTATCCCATCATCTCAGGTAGCACAGATTATTGATTANAGCTGGGTTATGNTG GATCAGATGGNGTT
Restriction Sites:	Please inquire
ACCN:	BC006419
Insert Size:	1343 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:	BC006419.1
RefSeq Size:	1343 bp
Locus ID:	3093
Cytogenetics:	4p14
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]