

## Product datasheet for **AR09834PU-N**

### HIP2 / UBE2K (1-200, His-tag) Human Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | HIP2 / UBE2K (1-200, His-tag) human recombinant protein, 50 µg  |
| Species:                              | Human   |
| Expression Host:                      | E. coli   |
| Expression cDNA Clone or AA Sequence: | <u>MRGSHHHHHH</u> <u>GMASMTGGQQ</u> <u>MGRDLYDDDD</u> <u>KDRWGSMANI</u> AVQRIKREFK EVLKSEETSK<br>NQIKVDLVDE NFTELRGEIA GPPDTPYEGG RYQLEIKIPE TYPFNPPKVR FITKIWHPNI SSVTGAICLD<br>ILKDQWAAAM TLRTVLLSLQ ALLAAEPDD PQDAVVANQY KQNPEMFQQT ARLWAHVYAG<br>APVSSPEYTK KIENLCAMGF DRNAVIVALS SKSWDVETAT ELLLSN |
| Tag:                                  | His-tag   |
| Predicted MW:                         | 26.5 kDa  |
| Concentration:                        | lot specific  |
| Purity:                               | >95%  |
| Buffer:                               | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 7.5) containing 1 mM DTT, 10% glycerol, 50 mM NaCl   |
| Preparation:                          | Liquid purified protein   |
| Protein Description:                  | Recombinant human UBE2K protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.  |
| Storage:                              | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.  |
| Stability:                            | Shelf life: one year from despatch.   |
| RefSeq:                               | <u>NP_001104582</u>   |
| Locus ID:                             | 3093  |
| UniProt ID:                           | <u>P61086</u>   |
| Cytogenetics:                         | 4p14  |
| Synonyms:                             | HIP-2, Ubiquitin-conjugating enzyme E2 K, E2(25K), E2-25K, Ubiquitin-protein ligase, LIG, Ubiquitin carrier protein, Huntingtin-interacting protein 2   |



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**Summary:**

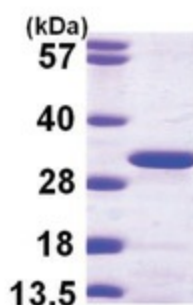
The protein encoded by this gene belongs to the ubiquitin-conjugating enzyme family. This protein interacts with RING finger proteins, and it can ubiquitinate huntingtin, the gene product for Huntington's disease. Known functions for this protein include a role in aggregate formation of expanded polyglutamine 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]

**Protein Families:**

Druggable Genome, Transcription Factors

**Protein Pathways:**

Ubiquitin mediated proteolysis

**Product images:**

15% SDS-PAGE (3ug)