

# Kelch-like ECH-associated protein 1 (KEAP1) Recombinant Protein | KEAP1 recombinant protein

Recombinant Human Kelch-like ECH-associated protein 1 (KEAP1)

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| CATALOG #<br><b>AAA117436</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
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## PRODUCT SYNONYMS

Kelch-like ECH-associated protein 1 (KEAP1); Recombinant Human Kelch-like ECH-associated protein 1 (KEAP1); KEAP1 recombinant protein

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sequence Positions      | 1-624aa; Full-Length                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Sequence                | MQPDPRPSGA GACCRFLPLQ SQCPEGAGDA VMYASTECKA EVTPSQHG NR TFSYTL E DHT KQAFGIMNEL<br>RLSQQLCDVT LQVKYQDAPA AQFMAHKVVL ASSSPVFKAM FTNGLREQGM EVVSIEGIHP KVMERLIEFA<br>YTASISMG EK CVLHVMNGAV MYQIDSVVRA CSDFLVQQLD PSNAIGIANF AEQIGCVELH QRAREYIYMH<br>FGEVAKQEEF FNLSHCQLVT LISRDDLNV R CESEVFHACI NWWKYDCEQR RFYVQALLRA VRCHSLTPNF<br>LQMQLQKCEI LQSDSRCKDY LKIFEELTL HKPTQVMP CR APKVGRLIYT AGGYFRQSLS YLEAYNP SDG<br>TWLRLADLQV PRSGLAGCVV GLLYAVGGR NNSPDGNTDS SALDCYNPMT NQWSPCAPMS VPRNRIGVGV<br>IDGHIYAVGG SHGCIHNSV ERYEPERDEW HLVAPMLTRR IGVGVAVLNR LLYAVGGFDG TNRLNSAECY<br>YPERNEW RMI TAMNTIRSGA GVCVLHNCIY AAGGYDGDQ LNSVERYDVE TETWTFVAPM KHRRSALGIT<br>VHQGRIYVLG GYDGHTFLDS VECYDPD TDT WSEVTRMTSG RSGVGVAVTM EPCRKQIDQQ NCTC |
| Species                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Preparation and Storage | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## ADDITIONAL INFORMATION

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| Related Product Information for KEAP1 recombinant protein | This gene encodes a protein containing KELCH-1 like domains, as well as a BTB POZ domain. Kelch-like ECH-associated protein 1 interacts with NF-E2-related factor 2 in a redox-sensitive manner and the dissociation of the proteins in the cytoplasm is followed by transportation of NF-E2-related factor 2 to the nucleus. This interaction results in the expression of the catalytic subunit of gamma-glutamylcysteine synthetase. Two alternatively spliced transcript variants encoding the same isoform have been found for this gene. |
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## NCBI AND UNIPROT INFORMATION

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|---------------------------|----------------------------------------|
| NCBI GI #                 | 22027642                               |
| NCBI GeneID               | 9817                                   |
| NCBI Accession #          | NP_036421.2                            |
| NCBI GenBank Nucleotide # | NM_012289.3                            |
| UniProt Accession #       | Q14145; Q6LEP0; Q8WTX1; Q9BPY9; B3KPD5 |
| Molecular Weight          | 71.7 kDa                               |

|                                  |                                     |
|----------------------------------|-------------------------------------|
| NCBI Official Full Name          | kelch-like ECH-associated protein 1 |
| NCBI Official Synonym Full Names | kelch like ECH associated protein 1 |
| NCBI Official Symbol             | KEAP1                               |
| NCBI Official Synonym Symbols    | INrf2; KLHL19                       |
| NCBI Protein Information         | kelch-like ECH-associated protein 1 |
| UniProt Protein Name             | Kelch-like ECH-associated protein 1 |
| UniProt Gene Name                | <b>KEAP1</b>                        |
| UniProt Synonym Gene Names       | INRF2; KIAA0132; KLHL19; INrf2      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/keap1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/117436>