

Recombinant Full Length Human KEAP1 Protein, GST-tagged

Cat. No. KEAP1-593HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human KEAP1(1 a.a. - 624 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	624 amino acids
Description	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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	94.38 kDa
AA Sequence	MQPDRPSGA GACCRFLPLQ SQCEGAGDA VMYASTECKA EVTPSQHG NR TFSYTL E DHT KQAFGIMNEL RLSQQLCDVT LQVKYQDAPA AQFMAHKVVL ASSSPVFKAM FTNGLREQGM EVVSI EGIHP KVMERLIEFA YTASISMGEK CVLHVMNGAV MYQIDSVVRA CSDFLVQQLD PSNAIGIANF AEQIGCVELH

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QRAREIYMH FGEVAKQEEF FNLSHCQLVT LISRDDLNV R CESEVFHACI
 NWVKYDCEQR RFYVQALLRA VRCHSLTPNF LQMQLQKCEI LQSDSRCKDY
 LVKIFEELTL HKPTQVMPCR APKVGRLIYT AGGYFRQSLS YLEAYNPSDG
 TWLRLADLQV PRSGLAGCVV GGLLYAVGGR NNSPDGNTDS SALDCYNPMT
 NQWSPCAPMS VPRNRIGVGV IDGHIYAVGG SHGCIHHNSV ERYEPERDEW
 HLVAPMLTRR IGVGVAVLNR LLYAVGGFDG TNRLNSAECY YPERNEWMI
 TAMNTIRSGA GVCVLHNCIY AAGGYDGQDQ LNSVERYDVE TETWTFVAPM
 KHRRSALGIT VHQGRIYVLG GYDGHTFLDS VECYDPD TDT WSEVTRMTSG
 RSGVGVAVTM EPCRKQIDQQ NCTC

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

KEAP1 kelch-like ECH-associated protein 1 [Homo sapiens]

Official Symbol

KEAP1

Synonyms

KEAP1; kelch-like ECH-associated protein 1; INrf2; KIAA0132; KLHL19; MGC1114;
 MGC4407; MGC9454; MGC10630; MGC20887; kelch-like protein 19; cytosolic
 inhibitor of Nrf2

Gene ID

9817

mRNA Refseq

NM_203500

Protein Refseq

NP_987096

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MIM	606016
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UniProt ID	Q14145
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