

Recombinant Human KEAP1 protein, GST-tagged

Cat. No. KEAP1-653H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human KEAP1(1 a.a. - 624 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ. |
| Species | Human |
| Source | Wheat Germ |
| ProteinLength | 1-624 a.a. |
| 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 | MQPDRPSGAGACCRFLPLQSQCEGAGDAVMYASTECKAEVTPSQHGNRTFSY TLEDHTKQAFGIMNELRLSQQ LCDVTLQVKYQDAPAAQFMAHKVVLASSSPVFKAM FTNGLREQGMEVVSIEGIHPKVMERLIEFAYTASISMGEK CVLHVMNGAVMYQIDSV VRACSDFLVQQLDPSNAIGIANFAEQIGCVELHQRRAREYIYMHFGEVAKQEEFFNLS |

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H CQLVTLISRDDLNVRCSESEVFHACINWVKYDCEQRRFYVQALLRAVRCHSLTPNF
 LQMQLQKCEILQSDSRCKDY LVKIFEELTLHKPTQVMPCRAPKVGRLIYTAGGYFRQ
 SLSYLEAYNPSDGTWLRRLADLQVPRSLAGCVVGGLLY AVGGRNNSPDGNTDSSA
 LDCYNPMTNQWSPCAPMSVPRNRIGVGVIDGHIYAVGGSHGCIHHNSVERYEPERD
 EW HLVAPMLTRRIGVGVAVLNRLLYAVGGFDGTNRLNSAECYPERNEWRMITAM
 NTIRSGAGVCVLHNCIYAAGGY DGQDQLNSVERYDVETETWTFVAPMKHRRSALGI
 TVHQGRIYVLGGYDGHTFLDSVECYDPDPTDWSEVTRMTSG RSGVGVAVTMEPC
 RKQIDQQNCTC

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

Notes Best use within three months from the date of receipt of this protein.

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 |
| UniProt ID | Q14145 |
| Chromosome Location | 19p13.2 |
| Pathway | Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination and Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Immune System, organism-specific biosystem; Keap1-Nrf2 Pathway, organism-specific biosystem; |
| Function | protein binding; |

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