Recombinant Human KEAP1 protein, GST-tagged

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

SPECIFICATION

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	MQPDPRPSGAGACCRFLPLQSQCPEGAGDAVMYASTECKAEVTPSQHGNRTFSY TLEDHTKQAFGIMNELRLSQQ LCDVTLQVKYQDAPAAQFMAHKVVLASSSPVFKAM FTNGLREQGMEVVSIEGIHPKVMERLIEFAYTASISMGEK CVLHVMNGAVMYQIDSV VRACSDFLVQQLDPSNAIGIANFAEQIGCVELHQRAREYIYMHFGEVAKQEEFFNLS

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	H CQLVTLISRDDLNVRCESEVFHACINWVKYDCEQRRFYVQALLRAVRCHSLTPNF LQMQLQKCEILQSDSRCKDY LVKIFEELTLHKPTQVMPCRAPKVGRLIYTAGGYFRQ SLSYLEAYNPSDGTWLRLADLQVPRSGLAGCVVGGLLY AVGGRNNSPDGNTDSSA LDCYNPMTNQWSPCAPMSVPRNRIGVGVIDGHIYAVGGSHGCIHHNSVERYEPERD EW HLVAPMLTRRIGVGVAVLNRLLYAVGGFDGTNRLNSAECYYPERNEWRMITAM NTIRSGAGVCVLHNCIYAAGGY DGQDQLNSVERYDVETETWTFVAPMKHRRSALGI TVHQGRIYVLGGYDGHTFLDSVECYDPDTDTWSEVTRMTSG 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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