

# Recombinant Human KEAP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KEAP1-4141H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

KEAP1 MS Standard C13 and N15-labeled recombinant protein (NP\_987096) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### 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.

### Molecular Mass

69.7 kDa

### AA Sequence

MQPDRPSGAGACCRFLPLQSQCEGAGDAVMYASTECKAEVTPSQHG NR TFSY  
 TLEDHTKQAFGIMNELRLSQQLCDVTLQVKYQDAPAAQFMAHKVVLASSSPVFKAM  
 FTNGLREQGMEVVSIEGIHPKVMERLIEFAYTASISMGEKCVLHVMNGAVMYQIDSV  
 VRACSDFLVQQLDPSNAIGIANFAEQIGCVELHQRAREYIYMHFGEVAKQEEFFNLS  
 HCQLVTLISRDDLNVRCSEVVFHACINWVKYDCEQRRFYVQALLRAVRCHSLTPNFL  
 QMQLQKCEILQSDSRCKDYLVKIFEELTLHKPTQVMPCRAPKVGRLIYTAGGYFRQS

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LSYLEAYNPSDGTWLRLADLQVPRSLAGCVVGGLLYAVGGRNNSPDGNTDSSAL  
 DCYNPMTNQWSPCAPMSVPRNRIGVGVIDGHIYAVGGSHGCIHHNSVERYEPERD  
 EWHLVAPMLTRRIGVGVAVLNRLLYAVGGFDGTNRLNSAECYPERNEWRMITAM  
 NTIRSGAGVCVLHNCIYAAGGYDGDQLNSVERYDVETETWTFVAPMKHRRSALGI  
 TVHQGRIYVLGGYDGHTFLDSVECYDPDTDTWSEVTRMTSGRSGVGVAVTMEPCR  
 KQIDQQNCTCTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** [KEAP1 kelch-like ECH-associated protein 1 \[ Homo sapiens \(human\) \]](#)

**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](#)

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**Protein Refseq** NP\_987096

**MIM** 606016

**UniProt ID** Q14145

**SDS-PAGE**



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