

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

Cat. No. KEAP1-6142H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KEAP1 MS Standard C13 and N15-labeled recombinant protein (NP_036421) 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	MQPDRPSGAGACCRFLPLQSQCEGAGDAVMYASTECKAEVTPSQHGNRTFSY TLEDHTKQAFGIMNELRLSQQLCDVTLQVKYQDAPAAQFMAHKVVLASSSPVFKAM FTNGLREQGMEVVSIEGIHPKVMERLIEFAYTASISMGEKCVLHVMNGAVMYQIDSV VRACSDFLVQQLDPSNAIGIANFAEQIGCVELHQRAREYIYMHFGEVAKQEEFFNLS HCQLVTLISRDDLNVRCESSEVFHACINWVKYDCEQRRFYVQALLRAVRCHSLTPNFL QMQLQKCEILQSDSRCKDYLVKIFEELTLHKPTQVMPCRAPKVGRLIYTAGGYFRQS

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LSYLEAYNPSDGTWLRRLADLQVPRSLAGCVVGGLLYAVGGRNNSPDGNTDSSAL
 DCYNPMTNQWSPCAPMSVPRNRIGVGVIDGHIYAVGGSHGCIHHNSVERYEPERD
 EWHLVAPMLTRRIGVGVAVLNRLLYAVGGFDGTNRLNSAECYPERNEWRMITAM
 NTIRSGAGVCVLHNCIYAAGGYDGQDQLNSVERYDVETETWTFVAPMKHRRSALGI
 TVHQGRIYVLGGYDGHTFLDSVECYDPDPTDWSEVTRMTSGRSGVGVAVTMEPCR
 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_012289

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Protein Refseq NP_036421

MIM 606016

UniProt ID Q14145

SDS-PAGE



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