

## Product datasheet for PH302513

### KEAP1 (NM\_012289) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	KEAP1 MS Standard C13 and N15-labeled recombinant protein (NP_036421)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202513
Predicted MW:	69.7 kDa
Protein Sequence:	>RC202513 protein sequence Red=Cloning site Green=Tags(s)

MQPDRPRSGAGACCRFLPLQSQCPEGAGDAVMYASTECKAEVTPSQHGNRTFSYTLLEDHTKQAFGIMNEL  
RLSQQLCDVTLQVKYQDAPAAQFMAHKVVLASSPVFKAMFTNGLREQGMEVVSIEGIHPKVMERLIEFA  
YTASISMGEKCVLHVMNGAVMYQIDSVVRACSDFLVQQLDPSNAIGIANFAEQIGCVELHQRAREYIYM  
FGEVAKQEEFFNLSHCQLVTLISRDDLNVRCSEVVFHACINWVKYDCEQRRFYVQALLRAVRCHSLTPNF  
LQMQLQKCEILQSDSRCKDYLKIFEELTLHKPTQVMPCRAPKVGRLIYTAGGYFRQSLSYLEAYNPSDG  
TWLRLADLQVPRSLAGCVVGGLLYAVGGRNNSPDGNTDSSALDCYNPMTNQWSPCAPMSVPRNRIGVGV  
IDGHIYAVGGSHGCIHHNSVERYEPERDEWHLVAPMLTRRIGVGVAVLNRLLYAVGGFDGTNRLNSAECY  
YPERNEWRMITAMNTIRSGAGVCLHNCIYAAGGYDGDQLNSVERYDVETETWTFVAPMKHRRSALGIT  
VHQGRIYVLGGYDGHFTLDSVECYDPDPTDWTSEVTRMTSGRSGVAVTMEPCRKQIDQQNCTC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_036421</a>
RefSeq Size:	2577
RefSeq ORF:	1872



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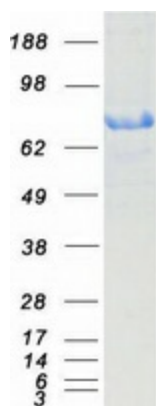
**Synonyms:** INrf2; KLHL19  
**Locus ID:** 9817  
**UniProt ID:** [Q14145](#), [A0A024R7C0](#)  
**Cytogenetics:** 19p13.2

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Transcription Factors

**Protein Pathways:** Ubiquitin mediated proteolysis

### Product images:



Coomassie blue staining of purified KEAP1 protein (Cat# [TP302513]). The protein was produced from HEK293T cells transfected with KEAP1 cDNA clone (Cat# [RC202513]) using MegaTran 2.0 (Cat# [TT210002]).