

Recombinant Human KEAP1 protein, His&GST-tagged

Cat. No. KEAP1-1983H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human KEAP1 protein(NP_036421.2)(Gln2-Cys624), fused with His&GST tag, was expressed in Insect Cells.
Species	Human
Source	Insect Cells
ProteinLength	Gln2-Cys624
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Molecular Mass	The recombinant human KEAP1/GST chimera consists of 860 amino acids and has a calculated molecular mass of 97.37 kDa. The recombinant protein migrates as an approximately 109 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 85 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	KEAP1 kelch-like ECH-associated protein 1 [Homo sapiens]
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Official Symbol	KEAP1
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Synonyms	KEAP1; kelch-like ECH-associated protein 1; INrf2; KIAA0132; KLHL19; MGC1114; MGC4407; MGC9454; MGC10630; MGC20887; kelch-like protein 19; cytosolic inhibitor of Nrf2;
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Gene ID	9817
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mRNA Refseq	NM_012289
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Protein Refseq	NP_036421
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MIM	606016
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UniProt ID	Q14145
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