

Recombinant Human KEAP1 protein(Gln2-Cys624)

Cat. No. KEAP1-3232H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KEAP1 (Q14145) (Gln2-Cys624) was expressed and purified in Insect Cells with two additional amino acids (Gly & Pro) at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	Gln2-Cys624
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 3mM DTT, 10% glycerol, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The secreted recombinant human KEAP1 consists of 625 amino acids and predicts a molecular mass of 69.7 KDa. The apparent molecular mass of the protein is approximately 64 KDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % 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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