# Recombinant Human KEAP1 protein, His&GST-tagged

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

## SPECIFICATION

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| **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

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| **Gene Name** | KEAP1 kelch-like ECH-associated protein 1 [ Homo sapiens ] |
| **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 |
| **Protein Refseq** | NP_036421 |
| **MIM** | 606016 |
| **UniProt ID** | Q14145 |

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