

## Recombinant Human KEAP1 protein, His&GST&Avi-tagged

Cat. No. KEAP1-547H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human KEAP1 protein(Q14145)(Gln2-Cys624), fused with His and GST&Avi tag, was expressed in Insect Cells.                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                             |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | Gln2-Cys624                                                                                                                                                                                                                                       |
| <b>Form</b>             | Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% gly, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.               |
| <b>Molecular Mass</b>   | The recombinant human KEAP1/GST chimera consists of 875 amino acids and has a calculated molecular mass of 99.2 kDa. It migrates as an approximately 85 kDa band in SDS-PAGE under reducing conditions.                                           |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                                    |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE                                                                                                                                                                                                                  |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C<br>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**

|                  |                                                            |
|------------------|------------------------------------------------------------|
| <b>Gene Name</b> | KEAP1 kelch-like ECH-associated protein 1 [ Homo sapiens ] |
|------------------|------------------------------------------------------------|

|                        |       |
|------------------------|-------|
| <b>Official Symbol</b> | KEAP1 |
|------------------------|-------|

|                 |                                                                                                                                                                         |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b> | 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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| <b>Gene ID</b> | 9817 |
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|--------------------|-----------|
| <b>mRNA Refseq</b> | NM_012289 |
|--------------------|-----------|

|                       |           |
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| <b>Protein Refseq</b> | NP_036421 |
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| <b>MIM</b> | 606016 |
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| <b>UniProt ID</b> | Q14145 |
|-------------------|--------|

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