# Active Recombinant Human RNF34 Protein, GST-tagged

**Cat. No.** RNF34-638H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human RNF34 fused with GST tag at N-terminal was expressed in Insect cells. |
| **Species** | Human |
| **Source** | Insect Cells |
| **Description** | E3 ubiquitin-protein ligase RNF34, also named CARP1 (Caspases-8/10 Associated RING protein 1), acts as RING-domain E3 ligases, ubiquitinates apical caspases and targets them for proteasome-mediated degradation. CARP gene silencing inhibits tumor cell survival and increases cancer cell sensitivity to the death ligand or chemotherapy-induced apoptosis. CARP proteins target the tumor suppressor p53 for degradation. RNF34 is also a negative regulator of the NOD1 pathway through direct interaction and ubiquitination of NOD1. |
| **Form** | 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol |
| **Bio-activity** | 21 nmol/min/mg |
| **Molecular Mass** | 68 kDa |
| **Purity** | >80% |
| **Applications** | Ubiquitin Enzyme Assay, Western Blot |

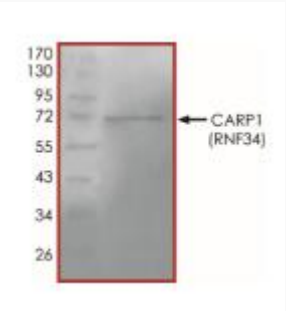
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| **Stability** | 1 year at - 70 centigrade from the date of shipment. |
| **Storage** | Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. |
| **Concentration** | 0.1 ug/ml |

## GENE INFORMATION

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| **Gene Name** | RNF34 ring finger protein 34, E3 ubiquitin protein ligase [ Homo sapiens ] |
| **Official Symbol** | RNF34 |
| **Synonyms** | RNF34; ring finger protein 34, E3 ubiquitin protein ligase; ring finger protein 34; E3 ubiquitin-protein ligase RNF34; FLJ21786; RIF; RIFF; caspase regulator CARP1; RING finger protein RIFF; FYVE-RING finger protein MOMO; caspases-8 and -10-associated RING finger protein 1; human RING finger homologous to inhibitor of apoptosis protein; RFI; hRFI; CARP1; CARP-1; |
| **Gene ID** | 80196 |
| **mRNA Refseq** | NM_025126 |
| **Protein Refseq** | NP_079402 |
| **MIM** | 608299 |
| **UniProt ID** | Q969K3 |

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