# Recombinant Human TRIM16 Protein (A2-P564), Tag Free

**Cat. No.** TRIM16-0414H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human (GG)-TRIM16(A2-P564 end) Protein was expressed in Insect cell. |
| **Species** | Human |
| **Source** | Insect Cells |
| **ProteinLength** | A2-P564 |
| **Description** | E3 ubiquitin ligase that plays an essential role in the organization of autophagic response and ubiquitination upon lysosomal and phagosomal damages. Plays a role in the stress-induced biogenesis and degradation of protein aggresomes by regulating the p62-KEAP1-NRF2 signaling and particularly by modulating the ubiquitination levels and thus stability of NRF2. Acts as a scaffold protein and facilitates autophagic degradation of protein aggregates by interacting with p62/SQSTM, ATG16L1 and LC3B/MAP1LC3B. In turn, protects the cell against oxidative stress-induced cell death as a consequence of endomembrane damage. |
| **Form** | Liquid |
| **Endotoxin** | < 0.01 EU per μg of the protein |
| **Purity** | 85% |
| **Stability** | Samples are stable for up to twelve months from date of receipt at -20 to -80 |

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| | centigrade. |
| **Storage** | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| **Storage Buffer** | Supplied as sterile. 50 mM Tris-HCl (pH 7.5), 200 mM NaCl, 20% glycerol, 1 mM DTT |
| **Shipping** | It is shipped out with blue ice. |

## GENE INFORMATION

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| **Gene Name** | TRIM16 tripartite motif containing 16 [ Homo sapiens (human) ] |
| **Official Symbol** | TRIM16 |
| **Synonyms** | TRIM16; tripartite motif containing 16; tripartite motif-containing protein 16; EBBP; estrogen responsive B box protein; tripartite motif-containing 16; estrogen-responsive B box protein; DKFZp434O1826; |
| **Gene ID** | 10626 |
| **mRNA Refseq** | NM_006470 |
| **Protein Refseq** | NP_006461 |
| **MIM** | 609505 |
| **UniProt ID** | O95361 |

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