# Product datasheet for TP760433

## RIP (RIPK1) (NM_003804) Human Recombinant Protein

## Product data:

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|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Purified recombinant protein of Human receptor (TNFRSF)-interacting serine-threonine kinase 1 (RIPK1), full length, with N-terminal HIS tag, expressed in E.Coli, 50ug |
| **Species:** | Human |
| **Expression Host:** | E. coli |
| **Expression cDNA Clone or AA Sequence:** | A DNA sequence encoding human full-length RIPK1 |
| **Tag:** | N-His |
| **Predicted MW:** | 75.8 kDa |
| **Concentration:** | >0.05 µg/µL as determined by microplate BCA method |
| **Purity:** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Buffer:** | 25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol |
| **Note:** | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| **Storage:** | Store at -80°C. |
| **Stability:** | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| **RefSeq:** | NP_003795 |
| **Locus ID:** | 8737 |
| **UniProt ID:** | Q13546 |
| **RefSeq Size:** | 3864 |
| **Cytogenetics:** | 6p25.2 |
| **RefSeq ORF:** | 2013 |
| **Synonyms:** | AIEFL; IMD57; RIP; RIP-1; RIP1 |

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**Summary:**   This gene encodes a member of the receptor-interacting protein (RIP) family of serine/threonine protein kinases. The encoded protein plays a role in inflammation and cell death in response to tissue damage, pathogen recognition, and as part of developmental regulation. RIPK1/RIPK3 kinase-mediated necrosis is referred to as necroptosis. Genetic disruption of this gene in mice results in death shortly after birth. [provided by RefSeq, Aug 2017]

**Protein Families:**   Druggable Genome, Protein Kinase

**Protein Pathways:**   Apoptosis, Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway, Toll-like receptor signaling pathway

## Product images: