



Recombinant Mouse Receptor-interacting serine/threonine-protein kinase 1 (Ripk1)

Product Code	CSB-YP720181MO
Relevance	<p>Serine-threonine kinase which transduces inflammatory and cell-death signals (programmed necrosis) following death receptors ligation, activation of pathogen recognition receptors (PRRs), and DNA damage. Upon activation of TNFR1 by the TNF-alpha family cytokines, TRADD and TRAF2 are recruited to the receptor. Phosphorylates DAB2IP at 'Ser-728' in a TNF-alpha-dependent manner, and thereby activates the MAP3K5-JNK apoptotic cascade. Ubiquitination by TRAF2 via 'Lys-63'-link chains acts as a critical enhancer of communication with downstream signal transducers in the mitogen-activated protein kinase pathway and the NF-kappa-B pathway, which in turn mediate downstream events including the activation of genes encoding inflammatory molecules. Polyubiquitinated protein binds to IKBKG/NEMO, the regulatory subunit of the IKK complex, a critical event for NF-kappa-B activation. Interaction with other cellular RHIM-containing adapters initiates gene activation and cell death. RIPK1 and RIPK3 association, in particular, forms a necrosis-inducing complex. Interacts with ARHGEF2</p>
Abbreviation	Recombinant Mouse Ripk1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q60855
Alias	Cell death protein RIP Receptor-interacting protein 1
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	<p>MQPDMSLDNIKMASSDLEKTDLDSGGFGKVS L CYHRSHGFVILKKVYTGPNR AEYNEVLLEEGKMMHRLRHSRVVKLLGIIIEEGNYSLVMEYMEKGNLMHVLKT QIDVPLSLKGR I IVEAIEGMCYLHDKGV I HKDLKPENILVDRDFHIKIADLGVASF TWSKLTKEKDNKQKEVSSSTTKNNGGTLYYMAPEHLNDINAKPTEKSDVYSF GIVLWAIFAKKEPYENVICTEQFVICIKSGNRPNV E EILEYCPREIISLMERCWQA IPEDRPTFLGIEEEFRPFYLSHFEEYVEEDVASLKKEYPDQSPVLQRMFSLQHD CVPLPPSRSNSEQPGLHSSQGLQMGPVEESWFSSSPEYPQDENDRSVQAK LQEEASYHAFGIFA EKQTKPQRQNEAYNREEERKRRVSHDPFAQQRARENI KSAGARGHSDPSTTSRGI AVQQLSWPATQTVWNNGLYNQHGF GTTGTGVVY PPNLSQMYSTYKTPVPETNIPGSTPTMPYFSGPVADDLIKYTIFNSSGIQIGNHN YMDVGLNSQPPNNTCKEESTSRHQAFDNTTSLTDEHLNPIRENLGRQWKNC ARKLGFTESQIDEIDHDYERDGLKEKVYQMLQKWL MREGTKGATV GKLAQAL HQCCRIDLLNHLIRASQS</p>

