

Recombinant Human IRAK1BP1

Catalog No: #GP10536



Package Size: #GP10536-1 100ug

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Description

Product Name	Recombinant Human IRAK1BP1
Brief Description	Recombinant Protein
Immunogen Description	Full length fusion protein
Target Name	interleukin-1 receptor-associated kinase 1 binding protein 1
Other Names	AIP70; SIMPL
Accession No.	Swissprot:Q5VVH5Gene Accession:BC112253
Uniprot	Q5VVH5
GeneID	134728;
Storage	-20~-80°C, pH 7.6 PBS

Background

SIMPL, also known as IRAK1BP1 (interleukin-1 receptor-associated kinase 1-binding protein 1), is a 260 amino acid protein belonging to the IRAK1BP1 family. In addition to containing an intrinsically disordered region which associates with HSPA1 and HSPA8, SIMPL also interacts directly with IRAK1 and promotes RELA transcriptional activity. SIMPL is a major component of the IRAK1-dependent TNFRSF1A signaling pathway in which TNF-alpha induces NF-kappa-B gene transcription, leading to an inhibition of proinflammatory cytokines. Inactivation of SIMPL inhibits tumor necrosis factor receptor type I-induced NF-kappaB activity. Localizing to the nucleus and cytoplasm, SIMPL requires the phosphorylation of Ser-56 and/or Ser-62 to be fully active.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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