IRAK4 (catalytic domain) Recombinant Protein | IRAK4 recombinant protein

IRAK4 (catalytic domain), Active

CATALOG #	HOST	APPLICATIONS
AAA73620	**Sf9 insect cells**	**Western Blot**

PRODUCT SYNONYMS

IRAK4 (catalytic domain); Active; IPD1; REN64; NY-REN-64; IRAK4 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, and 25% glycerol.
Applicable Applications for IRAK4 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. 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.

IMAGES

SDS-PAGE
Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.

Activity
Specific Activity: Sample Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for IRAK4 recombinant protein	Recombinant human IRAK4 (104 a.a.-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is BC013316. Interleukin-1 receptor-associated kinase 4 (IRAK4) is an important mediator in the signal transduction of Toll-like receptor (TLR) and IL1R family members (1). IRAK4 is involved in the Toll-like receptor signaling pathway leading to Apoptosis. IRAK4 has molecular functions like protein binding, ATP binding, kinase activity and magnesium ion binding. Toll/IL-1 receptor family members like IRAK4 are central components of host defense mechanisms in a variety of species (2). One well conserved element in their signal transduction is the Ser/Thr kinase activity which couple early signaling events in a receptor complex at the plasma membrane to larger signalosomes in the cytosol
Product Categories/Family for IRAK4 recombinant protein	Protein Kinases; Inflammation; NfkB Pathway; p38 Pathway; Ser/Thr Kinases
References	1. Li, S. et al: IRAK-4: a novel member of the IRAK family with the properties of an IRAK-kinase. Proc. Natl. Acad. Sci. USA. 2002; 99:5567-72. 2. Suzuki, N. et al: IRAK-4 as the central TIR signaling mediator in innate immunity. Trends Immunol. 2002; 23:503-6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15426431
NCBI GeneID	51135
Molecular Weight	37,674 Da
NCBI Official Full Name	Homo sapiens interleukin-1 receptor-associated kinase 4, mRNA
NCBI Official Synonym Full Names	interleukin 1 receptor associated kinase 4
NCBI Official Symbol	IRAK4
NCBI Official Synonym Symbols	IPD1; REN64; IRAK-4; NY-REN-64
NCBI Protein Information	interleukin-1 receptor-associated kinase 4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/irak4-catalytic-domain-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73620