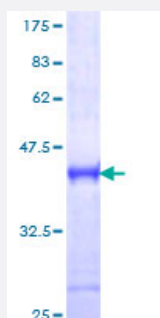


IRAK4 (Human) Recombinant Protein (Q01)

Catalog # H00051135-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human IRAK4 partial ORF (AAH13316, 1 a.a. - 130 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MNKPITPSTYVRCLNVGLIRKLSDFIDPQEGWKKLAVAIAKKPSGDDRYNQFHIRRFEALLQTGKSPT SELLFDWGTNCTVGDLDLLIQNEFFAPASLLLPDAVPKTANTLPSKEAITVQQKQMPFCDK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	39.93
Interspecies Antigen Sequence	Mouse (83); Rat (83)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — IRAK4

Entrez GeneID [51135](#)

GeneBank Accession# [BC013316](#)

Protein Accession# [AAH13316](#)

Gene Name IRAK4

Gene Alias IPD1, NY-REN-64, REN64

Gene Description interleukin-1 receptor-associated kinase 4

Omim ID [606883](#) [607676](#) [610799](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a kinase that activates NF-kappaB in both the Toll-like receptor (TLR) and T-cell receptor (TCR) signaling pathways. The protein is essential for most innate immune responses. Mutations in this gene result in IRAK4 deficiency and recurrent invasive pneumococcal disease. Multiple transcript variants encoding different isoforms have been found for this gene. [supplied by RefSeq]

Other Designations IRAK-4 mutated form 1|interleukin-1 receptor associated kinase 4

Pathway

- [Apoptosis](#)
- [Neurotrophin signaling pathway](#)
- [Toll-like receptor signaling pathway](#)

Disease

- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Birth Weight](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [HIV Infections](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Respiratory Syncytial Virus Infections](#)