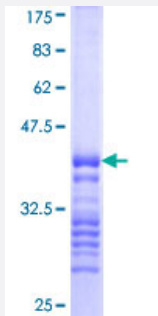


# IRAK2 (Human) Recombinant Protein (Q01)

Catalog # H00003656-Q01

Size 25 ug, 10 ug

## Applications



## Specification

|                                      |                                                                                                           |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Human IRAK2 partial ORF ( NP_001561, 111 a.a. - 210 a.a.) recombinant protein with GST-tag at N-terminal. |
| <b>Sequence</b>                      | KPEKPLAASVRKAEDEQEEGQPVRMATFPGPGSSPARAHQPAFLQPPEEDAPHSLRSDLPTSS<br>DSKDFSTSIPKQEKLLSLAGDSLFWSEADVQATDDF   |
| <b>Host</b>                          | Wheat Germ (in vitro)                                                                                     |
| <b>Theoretical MW (kDa)</b>          | 36.63                                                                                                     |
| <b>Interspecies Antigen Sequence</b> | Mouse (52); Rat (59)                                                                                      |
| <b>Preparation Method</b>            | <a href="#">in vitro wheat germ expression system</a>                                                     |
| <b>Purification</b>                  | Glutathione Sepharose 4 Fast Flow                                                                         |
| <b>Quality Control Testing</b>       | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                               |
| <b>Storage Buffer</b>                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                  |
| <b>Storage Instruction</b>           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                           |
| <b>Note</b>                          | 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 — IRAK2

|                     |                                                                                                                                                                                                                                                                                                |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">3656</a>                                                                                                                                                                                                                                                                           |
| GeneBank Accession# | <a href="#">NM_001570</a>                                                                                                                                                                                                                                                                      |
| Protein Accession#  | <a href="#">NP_001561</a>                                                                                                                                                                                                                                                                      |
| Gene Name           | IRAK2                                                                                                                                                                                                                                                                                          |
| Gene Alias          | IRAK-2, MGC150550                                                                                                                                                                                                                                                                              |
| Gene Description    | interleukin-1 receptor-associated kinase 2                                                                                                                                                                                                                                                     |
| Omim ID             | <a href="#">603304</a>                                                                                                                                                                                                                                                                         |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                      |
| Gene Summary        | IRAK2 encodes the interleukin-1 receptor-associated kinase 2, one of two putative serine/threonine kinases that become associated with the interleukin-1 receptor (IL1R) upon stimulation. IRAK2 is reported to participate in the IL1-induced upregulation of NF-kappaB. [provided by RefSeq] |
| Other Designations  | interleukin-1 receptor associated kinase-2                                                                                                                                                                                                                                                     |

## Pathway

- [Apoptosis](#)
- [Neurotrophin signaling pathway](#)

## Disease

- [Birth Weight](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [HIV Infections](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Osteoporosis](#)
- [Tobacco Use Disorder](#)