

## Active Recombinant FULL Length Human IRAK4 protein, His-tagged

**Cat. No.** IRAK4-46H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant FULL Length Human IRAK4 protein(Q9NWZ3-1) (Met 1-Ser 460) was expressed in Insect Cells with a polyhistidine tag at the N-terminus.                                |
| <b>Species</b>          | Human                                                                                                                                                                                 |
| <b>Source</b>           | Insect Cells                                                                                                                                                                          |
| <b>ProteinLength</b>    | 1-460 aa                                                                                                                                                                              |
| <b>Form</b>             | Supplied as sterile 20mM Tris, 500mM NaCl, 0.5mM PMSF, pH 7.4.                                                                                                                        |
| <b>Bio-activity</b>     | The specific activity was determined to be 169 nmol/min/mg using MBP as substrate.                                                                                                    |
| <b>Molecular Mass</b>   | The recombinant human IRAK4 consists of 478 amino acids and predicts a molecular mass of 53.8 kDa. It migrates as an approximately 48 kDa band in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                       |
| <b>Purity</b>           | > 92 % as determined by SDS-PAGE                                                                                                                                                      |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.  |

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**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

|                  |                                                                   |
|------------------|-------------------------------------------------------------------|
| <b>Gene Name</b> | IRAK4 interleukin-1 receptor-associated kinase 4 [ Homo sapiens ] |
|------------------|-------------------------------------------------------------------|

|                        |       |
|------------------------|-------|
| <b>Official Symbol</b> | IRAK4 |
|------------------------|-------|

|                 |                                                                                                                                  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b> | IRAK4; interleukin-1 receptor-associated kinase 4; NY REN 64; renal carcinoma antigen NY-REN-64; IPD1; REN64; IRAK-4; NY-REN-64; |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------|

|                |       |
|----------------|-------|
| <b>Gene ID</b> | 51135 |
|----------------|-------|

|                    |              |
|--------------------|--------------|
| <b>mRNA Refseq</b> | NM_001114182 |
|--------------------|--------------|

|                       |              |
|-----------------------|--------------|
| <b>Protein Refseq</b> | NP_001107654 |
|-----------------------|--------------|

|            |        |
|------------|--------|
| <b>MIM</b> | 606883 |
|------------|--------|

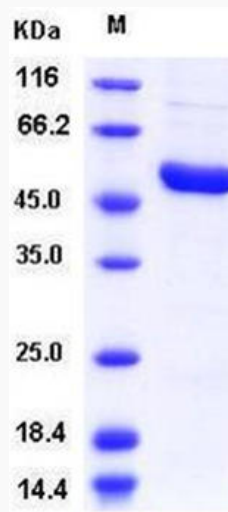
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|-------------------|--------|
| <b>UniProt ID</b> | Q9NWZ3 |
|-------------------|--------|

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# SDS-PAGE



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