

# Recombinant Full Length Human IRAK4 Protein, MYC/DDK-tagged

**Cat. No.** IRAK4-2438H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human IRAK4 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | 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. |
| <b>Form</b>             | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | 51.3 kDa                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                              |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                         |

## GENE INFORMATION

|                  |                                                                   |
|------------------|-------------------------------------------------------------------|
| <b>Gene Name</b> | IRAK4 interleukin-1 receptor-associated kinase 4 [ Homo sapiens ] |
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|                 |                                |
|-----------------|--------------------------------|
| Official Symbol | IRAK4                          |
| Synonyms        | IPD1; IRAK-4; NY-REN-64; REN64 |
| Gene ID         | 51135                          |
| mRNA Refseq     | NM_001114182                   |
| Protein Refseq  | NP_001107654                   |
| MIM             | 606883                         |
| UniProt ID      | Q9NWZ3                         |

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