

Datasheet for 009-001-S23S

IRAK3 protein-GST fusion**Overview**

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| Description: | IRAK3 recombinant protein-GST fusion protein - 009-001-S23S |
| Item No.: | 009-001-S23S |
| Size: | 20 µg |
| Origin: | Human |
| Expressed in: | Sf9 cells |

Product Details

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| Background: | IRAK3 or interleukin-1 receptor-associated kinase 3 is a member of the interleukin-1 receptor-associated kinase protein family which is essential components of the Toll/IL-R immune signal transduction pathways. IRAK3 is primarily expressed in monocytes and macrophages and functions as a negative regulator of Toll-like receptor signaling (1). IRAK3 mediates critical aspects of innate immunity that result in an immunocompromised state during sepsis (2). Mutations in IRAK3 are associated with a susceptibility to asthma. IRAK3 Protein is ideal for investigators involved in Signaling Proteins, Cellular Proteins, Inflammation, NfκB Pathway, p38 Pathway, and Ser/Thr Kinases research. |
| Synonyms: | IRAK-M, Interleukin-1 receptor-associated kinase 3, IRAK-3, EC 2.7.11.1, IL-1 receptor-associated kinase M |
| Species of Origin: | Human |
| Expressed in: | Sf9 cells |
| Type: | Recombinant Protein |

Target Details

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| Gene Name: | IRAK3 |
| Purity/Specificity: | Recombinant full-length human IRAK3 was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >80% by densitometry. |
| Relevant Links: | <ul style="list-style-type: none">• NCBI - BC057800 |

Application Details

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| Application Note: | IRAK3 Protein is stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. IRAK3 Protein is suitable for use in Western Blot. Expect a band approximately ~96kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user. |
| Assay Dilutions: | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| WB: | User Optimized |

Formulation

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| Physical State: | Liquid (sterile filtered) |
| Concentration: | 0.1 µg/µL |
| Buffer: | See application note. |

Shipping & Handling

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| Shipping Condition: | Dry Ice |
| Storage Condition: | Store product at -70°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. |
| Expiration: | Expiration date is one (1) year from date of receipt. |

Disclaimer

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