

Product datasheet for PH309245

IRAKM (IRAK3) (NM_007199) Human Mass Spec Standard

Product data:

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|---------------------------------------|---|
| Product Type: | Mass Spec Standards |
| Description: | IRAK3 MS Standard C13 and N15-labeled recombinant protein (NP_009130) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC209245 |
| Predicted MW: | 67.8 kDa |
| Protein Sequence: | >RC209245 protein sequence Red=Cloning site Green=Tags(s) |

MAGNCGARGALSHTLLFDLPPALLGELCAVLDSCDGALGWRGLAERLSSSWLDVRHIEKYVDQGKSGTR
ELLWSWAQKNKTIGDLLQVLQEMGHRRAIHLITNYGAVLSPSEKSYQEGGFNILFKETANVTVDNVLIP
EHNEKGVLLKSSISFQNIIEGTRNFHKDFLIGEGEIFEVYRVEIQNLTYAVKLFKQEKMQCKKHWRFL
SELEVLLLFFHPNILELAAYFTETEKFCLIYPYMRNGTLFDRLQCVGDTAPLPWHIRIGILIGISKAIHY
LHNQPCSVICGSISSANILLDDQFQPKLTDFAHAHFRSHLEHQCTINMTSSSKHLWYMPEEYIRQGK
LSIKTDVYSFGIVIMEVLTGCRVLLDDPKHIQLRDLLRELMKRGDLSCLSFLLDKKVPCCPRNFSAKLFC
LAGRCAATRAKLRPSMDEVLNTLESTQASLYFAEDPPTSLKSFRCPSPLFLENVPSIPVEDDESQNNLL
PSDEGLRIDRMTQKTPFECSQSEVMFLSLDKKPESKRNEEACNMPSSSCEESWFPKYIVPSQDLRPYKVN
IDPSSEAPGHSCRSRPVESSCSSKFSWDEYEQYKKE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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| Tag: | C-Myc/DDK |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Labeling Method: | Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3 |
| Storage: | Store at -80°C. Avoid repeated freeze-thaw cycles. |
| Stability: | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| RefSeq: | NP_009130 |
| RefSeq Size: | 8351 |
| RefSeq ORF: | 1788 |



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Synonyms: ASRT5; IRAKM

Locus ID: 11213

UniProt ID: [Q9Y616](#)

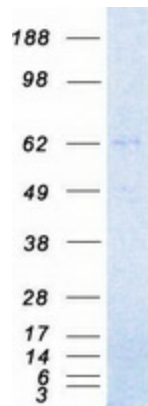
Cytogenetics: 12q14.3

Summary: This gene encodes a member of the interleukin-1 receptor-associated kinase protein family. Members of this family are essential components of the Toll/IL-R immune signal transduction pathways. This protein is primarily expressed in monocytes and macrophages and functions as a negative regulator of Toll-like receptor signaling. Mutations in this gene are associated with a susceptibility to asthma. Alternate splicing results in multiple transcript variants. [provided by RefSeq, May 2010]

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Apoptosis, Neurotrophin signaling pathway

Product images:



Coomassie blue staining of purified IRAK3 protein (Cat# [TP309245]). The protein was produced from HEK293T cells transfected with IRAK3 cDNA clone (Cat# [RC209245]) using MegaTran 2.0 (Cat# [TT210002]).