

## Product datasheet for **TP309245M**

### **IRAKM (IRAK3) (NM\_007199) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human interleukin-1 receptor-associated kinase 3 (IRAK3), transcript variant 1, 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC209245 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAGNCGARGALSAHTLLFDLPPALLGELCAVL DSCD GALGWRGLAERLSSSWLDVRHIEKYVDQ GKSGTR  
ELLWSWAQKNKTIGDLLQVLQEMGHRRAIHLITNYGAVLSPSEKSYQEGGFNILFKETANVTVDNVLIP  
EHNEKGVLLKSSISFQNIIEGTRNFHKDFLIGEGEIFEVYRVEIQNLTYAVKLFKQEKMKQCKKHWRFL  
SELEVLLLFHHPNILELAAYFTETEFCLIPYMRNGTLFDRLQCVGDTAPLPWHIRIGILIGISKAIHY  
LHNVQPCSVICGSISSANILLDDQFQPKLTD FAMA HFRSHLEHQ SCTINMTSSSSKHLWYMPEEYIRQ GK  
LSIKTDVYSFGIVIMEVLTGCRVLD DPKHIQLRDL LRELMEKRGLD SCLSFLDKKVP PCPRNFSAK LFC  
LAGRCAATRAKLRPSMDEVLNLTLESTQASLYFAEDPPTSLKSFRCPSPLFLENVPSIPVEDDESQNNLL  
PSDEGLRIDRMTQKTPFECSQSEVMFLSLDKK PESKRNEEACNMPSSSCEESWFPKYIVPSQDLRPYKVN  
IDPSEAPGHSCRSRPVESSCSKFSWDEYEQYKKE

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	67.6 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.



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**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_009130](#)

**Locus ID:** 11213

**UniProt ID:** [Q9Y616](#)

**RefSeq Size:** 8351

**Cytogenetics:** 12q14.3

**RefSeq ORF:** 1788

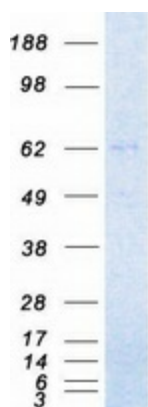
**Synonyms:** ASRT5; IRAKM

**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]).