

Recombinant Human IRAK3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. IRAK3-1249H Lot. No. (See product label)

SPECIFICATION

Product Overview	IRAK3 MS Standard C13 and N15-labeled recombinant protein (NP_009130) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	67.8 kDa
AA Sequence	MAGNCGARGALSAHTLLFDLPPALLGELCAVLDSCD GALGWRGLAERLSSSWLDV RHIEKYVDQGKSGTRELLWSWAQKNKTIGDLLQVLQEMGHRRAIHLITNYGAVLSPS EKSYQEGGFNILFKETANVTVDNVLPEHNEKGVLLKSSISFQNIIEGTRNFHKDFLI GEGEIFEVYRVEIQNLTYAVKLFKQEKMKQCKKHWKRFLSELEVLLL FHPNILELAA YFTETEFCLIPYMRNGTLFDRLQCVGDTAPLPWHIRIGILIGISKAIHYLHNVQPCS VICGSISSANILLDDQFQPKLTD FAMAHRSHLEHQ SCTINMTSSSSKHLWYMPEEYI RQGKLSIKTDVYSFGIVIMEVLTGCRVVLDDPKHIQLRDLLRELMEKRGLDSCLSFLD

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KKVPPCPRNFSAKLFCLAGRCAATRAKLRPSMDEVLNTLESTQASLYFAEDPPTSLK
 SFRCPSPLFLENVPSIPVEDDESQNNLLPSDEGLRIDRMTQKTPFECSQSEVMFLS
 LDKKPESKRNEEACNMPSSSCEESWFPKYIVPSQDLRPYKVNIDPSSEAPGHSCRS
 RPYESSCCKFSWDEYEQYKKETRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name IRAK3 interleukin-1 receptor-associated kinase 3 [Homo sapiens (human)]

Official Symbol IRAK3

Synonyms IRAK3; interleukin-1 receptor-associated kinase 3; IRAK M; IL-1 receptor-associated kinase M; ASRT5; IRAKM; FLJ13601;

Gene ID 11213

mRNA Refseq NM_007199

Protein Refseq NP_009130

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MIM	604459
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UniProt ID	Q9Y616
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