

Product datasheet for PH303041

IRAK4 (NM_016123) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	IRAK4 MS Standard C13 and N15-labeled recombinant protein (NP_057207)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203041
Predicted MW:	51.5 kDa
Protein Sequence:	>RC203041 protein sequence Red=Cloning site Green=Tags(s)

MNKPITPSTYVRCLNVGLIRKLSDFIDPQEGWKKLAVAIKKPSGDDRYNQFHIRRFALLQTGKSPTSEL
LFDWGTTNCTVGDLDLLIQNEFFAPASLLLPDAVPKTANTLPSKEAITVQKQMPFCDKDRTLMTVPVQN
LEQSYMPDSSSPENKSLEVSDFHFSFYELKNVTNDFDERPISVGGNKMGEFGVYVYKGYVNNNTTV
AVKLAAMVDITTEELKQFDQEIKVMAKQHENLVELLGFSSDGDCLVYVYMPNGSLDRLSCLDGT
PPLSWHMRCKIAQGAANGINFLHENHHIHRDIKSANILLDEAFTAKISDFGLARASEKFAQTVMTSRIVG
TTAYMAPEALRGEITPKSDIYSFGVLLLEIITGLPAVDEHREPQLLLDIKKEIEDEEKTIEDYIDKKMND
ADSTSVEAMYSVASQCLHEKKNRPDIKKVQQLQEMTAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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:	<u>NP_057207</u>
RefSeq Size:	4303
RefSeq ORF:	1380
Synonyms:	IMD67; IPD1; IRAK-4; NY-REN-64; REN64



[View online »](#)

Locus ID: 51135

UniProt ID: [Q9NWZ3](#), [Q69FE3](#), [B2RAP9](#), [B4E359](#)

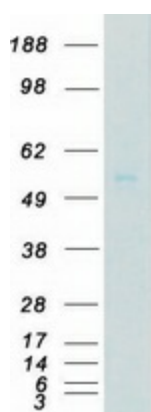
Cytogenetics: 12q12

Summary: 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. [provided by RefSeq, Aug 2011]

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Apoptosis, Neurotrophin signaling pathway, Toll-like receptor signaling pathway

Product images:



Coomassie blue staining of purified IRAK4 protein (Cat# [TP303041]). The protein was produced from HEK293T cells transfected with IRAK4 cDNA clone (Cat# [RC203041]) using MegaTran 2.0 (Cat# [TT210002]).