

Product datasheet for TP303041

IRAK4 (NM_016123) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human interleukin-1 receptor-associated kinase 4 (IRAK4), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203041 protein sequence Red =Cloning site Green =Tags(s)

MNKPITPSTYVRCLNVGLIRKLSDFIDPQEGWKKLAVAIKKPSGDDRYNQFHIRRFEALLQTGKSPTSEL
LFDWGTNCTVGDLDVLLIQNEFFAPASLLLPDAVPKTANTLPSKEAITVQQKQMPFCDKDRTLMTVPVQN
LEQSYMPDSSSPENKSLEVSDTRFHSFSFYELKNVTNNFDERPISVGGNKMGEGGFGVYKGYVNNNTV
AVKKLAAMVDITTEELKQQFDQEIKVMAKCQHENVLLELGFSSDGDCLVYVYMPNGSLLDRLSCLDGT
PPLSWHMRCKIAQGAANGINFLHENHHIHRDIKSANILLDEAFTAKISDFGLARASEKFAQTVMTSRIVG
TTAYMAPEALRGEITPKSDIYSGVVLLEIITGLPAVDEHREPQLLLDIKEEIEDEEKTIEDYIDKKMND
ADSTSVEAMYSVASQCLHEKKNRPDIKKVQQLQEMTAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	51.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_057207](#)

Locus ID: 51135

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

RefSeq Size: 4303

Cytogenetics: 12q12

RefSeq ORF: 1380

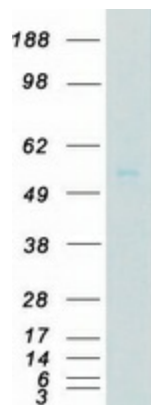
Synonyms: IMD67; IPD1; IRAK-4; NY-REN-64; REN64

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]).