

## Product datasheet for **TP310314M**

### **PRKRIR (THAP12) (NM\_004705) Human Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor) (PRKRIR), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210314 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MPNFCAAPNCTRKSTQSDLAFFRFRDPARCQKVVENCRRADLEDKTPDQLNKHYRLCAKHFETSMICR  
T

SPYRTVLRDNAIPTIFDLTSHLNNPHSRHRKRIKELSEDKIRTLKQKKIDETSESEQKHKETNNSNAQNP  
SEEEGEGQDEDILPLTLEEKENKEYLKSLEIFILMGKQNIPLDGHEADEIPEGLFTPDNFQALLECRIN  
SGEEVLRKRFETTAVNTLFCSTQQRQMLEICESCIREETLREVRDSSHFFSIITDDVVDIAGEEHLPLV  
RFVDESHNLREEFIGFLPYEADAELAVKFHTMITEKWGLNMEYCRGQAYIVSSGFSSRMKVVASRLLEK  
YPQAIYTLCCSSCALNMWLAKSVPVMGVSVVALGTIEEVCSFFHRSPQLLELDNVISVLFQNSKERGKELK  
EICHSQWTGRHDAFEILVELLQALVLCLDGINSNTNIRWNNYIAGRAVLCSAVSDDFDVFVTVVVLKLV  
SFTRAFGKNLQGQTSDFFAAGSLTAVLHSLNEVMENIEVYHEFWFEEATNLATKLDIQMKLPGKFRRAH  
QGNLESQLTSESYKETLSVPTVEHIIQELKDIFSEQHLKALKCLSLVPSVMGQLKFNTSEEHHADMYRS  
DLPNPDTLSAELHCWRIKWKHRGKDIELPSTIYEALHLPDIKFFPNVYALLKVLCLPVMKVENERYENG  
RKRLKAYLRNTLTDQRSSNLALLNINFDIKHDLDMVDYIKLYTSKSELPTDNSETVENT

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

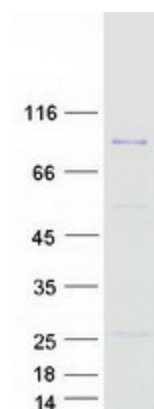
Tag:	C-Myc/DDK
Predicted MW:	87.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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<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.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_004696</a>
<b>Locus ID:</b>	5612
<b>UniProt ID:</b>	<a href="#">O43422</a>
<b>RefSeq Size:</b>	3202
<b>Cytogenetics:</b>	11q13.5
<b>RefSeq ORF:</b>	2283
<b>Synonyms:</b>	DAP4; P52rIPK; PRKRIR; THAP0
<b>Summary:</b>	Upstream regulator of interferon-induced serine/threonine protein kinase R (PKR). May block the PKR-inhibitory function of DNAJC3, resulting in restoration of kinase activity and suppression of cell growth.[UniProtKB/Swiss-Prot Function]
<b>Protein Families:</b>	Druggable Genome

### Product images:



Coomassie blue staining of purified THAP12 protein (Cat# [TP310314]). The protein was produced from HEK293T cells transfected with THAP12 cDNA clone (Cat# [RC210314]) using MegaTran 2.0 (Cat# [TT210002]).