

## Product datasheet for TP310314

### 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), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210314 protein sequence Red=Cloning site Green=Tags(s)

MPNFCAAPNCTRKSTQSDLAFFRFRDPARCQKWVENCRRADLEDKTPDQLNKHYRLCAKHFETSMICRT  
SPYRTVLRDINAIFTIFDLTSHLNNPHSRHRKRIKELSEDKIRTLKQKKIDETSESEQKHKETNNSNAQNP  
SEEEGEGQDEDILPLTLEEKENKEYLKSFLFEILILMGKQNIPLDGHEADEIPEGLFTPDNFQALLECRIN  
SGEEVLRKRFETTAVNTLFCSTQQRQMLEICESCIREETLREVRDSSHFFSIITDDVVDIAGEEHLPLV  
RFVDESHNLREEFIGFLPYEADAEILAVKFHTMITEKWGLNMEYCRGQAYIVSSGFSSRMKVVASRLLEK  
YPQAIYTLCCSSCALNMWLAKSVPMGVSVLGTIEEVCFFHRSPLLELDNVISVLFQNSKERGKELK  
EICHSQWTGRHDAFEILVELLQALVLCLDGINSNTNIRWNNYIAGRAVFLCSAVSDFDFIVTVVWLNVL  
SFTRAFGKNLQGQTSVFFAAGSLTAVLHSLNEVMENIEVYHEFWFEEATNLATKLDIQMKLPKGFRRAH  
QGNLESQLTSESYKETLSVPTVEHIIQELKDFSEQLKALKCLSLVPSVMGQLKFNTSEEHHADMYRS  
DLPNPDLSAELHCWRIKWKHRGKDIELPSTIYEALHLPDIKFFPNVYALLKVLICILPVMKVENERYENG  
RKRLKAYLRNTLTDQRSSNLALLNINFDIKHDLDMVDYIKLYTSKSELPTDNSETVENT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

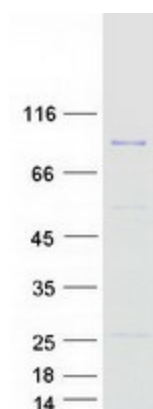
Tag:	C-Myc/DDK
Predicted MW:	87.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



[View online »](#)

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.
RefSeq:	<a href="#">NP_004696</a>
Locus ID:	5612
UniProt ID:	<a href="#">O43422</a>
RefSeq Size:	3202
Cytogenetics:	11q13.5
RefSeq ORF:	2283
Synonyms:	DAP4; P52rIPK; PRKRIR; THAP0
Summary:	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]
Protein Families:	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]).