

Product datasheet for TP326874M

INAVA (NM_001142569) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human chromosome 1 open reading frame 106 (C1orf106), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC226874 representing NM_001142569 Red=Cloning site Green=Tags(s)

MESKDEVSDTDSGIIQSGPDSVSPMKELTHAVHKQQRLEARLEACLEELRRLCLREAELTGTLPAEY
PLKPGEKAPKVRRRRIGAAAYKLDDWALHREDPLSSLERQLALQLQITEARRLCLLENLSRQARRQRKHS
LQEEKKLQELQRCLVERRRNSEPPAAAALPLGRELSASDDSSLSDGLLEEEESQVPKPPESPAPPSRP
LPPQTLEGLQPTGPEAGSPERAPVQNSPWKETSLDHPYEKPKRSSEPWSESSPATTTPQDGPSASSLWLL
EPASYHWVPIRGVPGWQGRTSAPATPEIQRRGQSQSLRVDSFRAGPEGRGRSAFPRRRPTHYTVTPD
SCFPATKPLPHAACHSCSEDSGSDVSSISHPTSPGSSSPDISFLQPLSPPKTHRHRGAWVPAGSRELVA
HHPKLLLPYGYPAGRYVVAESPLPPGEWELCRAAPGPAYEEGTPLRYQLVPSRSRIVRTPSLKDSP
AGRGLSKAAVSEELKWWHERARLRSTRPHSLDRQGAFRVRSPLPLGREGFGALGPRAQVPTVCVLRSPD
GAPVQVFVPEKGEIISQV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

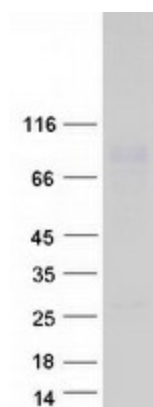
Tag:	C-Myc/DDK
Predicted MW:	63.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.
Storage:	Store at -80°C.



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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:	NP_001136041
Locus ID:	55765
UniProt ID:	Q3KP66
Cytogenetics:	1q32.1
RefSeq ORF:	1734
Synonyms:	C1orf106
Summary:	Expressed in peripheral macrophages and intestinal myeloid-derived cells, is required for optimal PRR (pattern recognition receptor)-induced signaling, cytokine secretion, and bacterial clearance. Upon stimulation of a broad range of PRRs (pattern recognition receptor) such as NOD2 or TLR2, TLR3, TLR4, TLR5, TLR7 and TLR9, associates with YWHAQ/14-3-3T, which in turn leads to the recruitment and activation of MAP kinases and NF-kappa-B signaling complexes that amplifies PRR-induced downstream signals and cytokine secretion (PubMed:28436939). In the intestine, regulates adherens junction stability by regulating the degradation of CYTH1 and CYTH2, probably acting as substrate cofactor for SCF E3 ubiquitin-protein ligase complexes. Stabilizes adherens junctions by limiting CYTH1-dependent ARF6 activation (PubMed:29420262).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified INAVA protein (Cat# [TP326874]). The protein was produced from HEK293T cells transfected with INAVA cDNA clone (Cat# [RC226874]) using MegaTran 2.0 (Cat# [TT210002]).