

Product datasheet for TP329401

JMY (NM_152405) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens junction mediating and regulatory protein, p53 cofactor (JMY), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC229401 representing NM_152405 Red=Cloning site Green=Tags(s)

MSFALEETLESDWVAVRPHVFDEREKHKHFVIVAWNEIEGKFAITCHNRTAQRQRSGSREQAGARGGAEA
GGAASDGSRPGSPAGRGRPEATASATLVRSPGPRRSSAWAEGGSPRSTRLLGDPRLRSPGSKGAESRL
RSPVRAKPIPGQKTSEADDAAGAAAAAARPAPREAQVSSVRIVSASGTVSEEIEVLEMVKEDEAPLALSD
AEQPPPATELESPAEECSWAGLFSFQDLRAVHQQLCSVNSQLEPCLPVFPEEPSGMWTVLFGGAPEMTEQ
EIDTLCYQLQVYLGHLDTGKILSQVLFETDDPEEYYESLSELRQKGYEEVLQRARKRIQELLDKHK
NTESMVELLDLYQLEDEAYSSLAEATTELYQYLLQPFDMRELAMLRRQKIKISMENDYLGPRRIESLQK
EDADWQRKAHMAVLSIQDLTVKYFEITAKAQKAVYDRMRADQKKFGKASWAAAAERMEKLQYAVSKETLQ
MMRAKEICLEQRKHALKEEMQSLRGGTEAIARLDQLEADYYDLQLQLYEVQFEILKCELLLLTAQLESIK
RLISEKRDEVVYDYTESMEAMLEKEEMAASAYLQREELQKLQKQARQLEARRGRVSAKKSYLNRNKKEIC
IAKHNEKIQQRTRIEDEYRTHHTVQLKREKLHDEEERKSAWVSQERQRTLDRLRTFKQRYPGQVILKSTR
LRLAHARRKGAASPVQLQEDHCDSLPSVLQVEEKTEEVGEGRVRKRGPSQTTEPQSLVQLEDTSLTQLEATS
LPLSGVTSELPTISLPLNNNLEPCSVTINPLPSLPPTPPPPPPPPPPPPPPPLPAKDSGPETLEKD
LPRKEGNEKRIPKSASAPSAHLFDSSQLVSARKKLRKTAEGLQRRRVSSPMDEVLASLKRGSFHLKKVEQ
RTLPPFPDEDDSNILAQIRKGVKLLKVVQKQDVLRESFTLLPDTDPLTRSIHEALRRIKEASPESEDEEEA
LPCTDWEN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

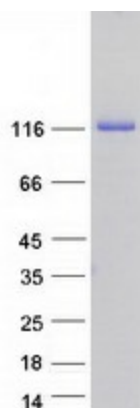
Tag:	C-Myc/DDK
Predicted MW:	111.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



[View online »](#)

Preparation:	NULL or Add: Recombinant proteins 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.
RefSeq:	NP_689618
Locus ID:	133746
UniProt ID:	Q8N9B5
Cytogenetics:	5q14.1
RefSeq ORF:	2964
Synonyms:	WHAMM2; WHDC1L3
Summary:	Acts both as a nuclear p53/TP53-cofactor and a cytoplasmic regulator of actin dynamics depending on conditions. In nucleus, acts as a cofactor that increases p53/TP53 response via its interaction with p300/EP300. Increases p53/TP53-dependent transcription and apoptosis, suggesting an important role in p53/TP53 stress response such as DNA damage. In cytoplasm, acts as a nucleation-promoting factor for both branched and unbranched actin filaments. Activates the Arp2/3 complex to induce branched actin filament networks. Also catalyzes actin polymerization in the absence of Arp2/3, creating unbranched filaments. Contributes to cell motility by controlling actin dynamics. May promote the rapid formation of a branched actin network by first nucleating new mother filaments and then activating Arp2/3 to branch off these filaments. The p53/TP53-cofactor and actin activator activities are regulated via its subcellular location (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified JMY protein (Cat# TP329401). The protein was produced from HEK293T cells transfected with JMY cDNA clone (Cat# [RC229401]) using MegaTran 2.0 (Cat# [TT210002]).