

## Product datasheet for TP329401L

### 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), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC229401 representing NM_152405 Red=Cloning site Green=Tags(s)

MSFALEETLESDWVAVRPHVFDEREKHKFVFIWAWEIEGKFAITCHNRTAQRQRSGSREQAGARGGAEA  
GGAASDGSRGPGSPAGRGRPEATASATLVRSPGPRRSSAWAEGGSPRSTRLLGDPRLRSPGSKGAESRL  
RSPVRAKPIPGQKTSEADDAAGAAAAAARPAPREAQVSSVRIVSASGTVSEEIEVLEMVKEDEAPLALSD  
AEQPPPATELESPAEECSWAGLFSFQDLRAVHQQLCSVNSQLEPCLPVFPEEPSGMWTVLFGGAPEMTEQ  
EIDTLCYQLQVYLGHLDTCGWKILSQVLFTETDDPEEYYESLSELRQKGYEEVLQRARKRIQELLDKHK  
NTESMVELLDLYQLEDEAYSSLAEATTELYQYLLQPFDRMRELAMLRRQKIKISMENDYLGPRRIESLQK  
EDADWQRKAHMAVLSIQDLTVKYFEITAKAQKAVYDRMRADQKKFGKASWAAAAERMEKLQYAVSKETLQ  
MMRAKEICLEQRKHALKEEMQSLRGGTEAIARLDQLEADYYDLQLQLYEVQFEILKCEELLLTAQLESIK  
RLISEKRDEVVYDYTESMEAMLEKEEMAASAYLQREELQKLQKARQLEARRGRVSAKKSYLNRNKKEIC  
IAKHNEKIQQRTRIEDEYRTHHTVQLKREKLHDEERKSAAVVSQERQRTLDRLRTFKQRYPGQVILKSTR  
LRLAHARRKGAASPVQLQEDHCDSLPSVLQVEEKTEEVGEGRVKRGPSQTTEPQSLVQLEDTSLTQLEATS  
LPLSGVTSELPTISLPLLNNNLEPCSVTINPLPSLPPTPPPPPPPPPPPPPPPLPAKDSGPETLEKD  
LPRKEGNEKRIPKSASAPSAHLFDSSQLVSARKKLRKTAEGLQRRRVSSPMDEVLASLKRGSFHLKKVEQ  
RTLPPFPDEDDSNILAQIRKGVKLLKKVQKQDVLRESFTLLPDTDPLTRSIHEALRRIKEASPESEDEEEA  
LPCTDWEN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

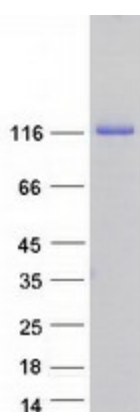
Tag:	C-Myc/DDK
Predicted MW:	111.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<b>Preparation:</b>	NULL or Add: Recombinant proteins was captured through anti-DDK affinity column followed by conventional chromatography steps.
<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_689618</a>
<b>Locus ID:</b>	133746
<b>UniProt ID:</b>	<a href="#">Q8N9B5</a>
<b>Cytogenetics:</b>	5q14.1
<b>RefSeq ORF:</b>	2964
<b>Synonyms:</b>	WHAMM2; WHDC1L3
<b>Summary:</b>	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]).