

Product datasheet for TP511383

Jmy (NM_021310) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse junction-mediating and regulatory protein (Jmy), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211383 representing NM_021310 Red =Cloning site Green =Tags(s)

MSFALEETLESDWVAVRPHVFDEREKHKFVFIWAWNEIEGKFAITCHNRTAQRQRSGSREQAGTPASDGS
RPGGSPAARGRSEAAASATAALRSPGPRKSQAWAEGGSPRSARSLKGDPPRGPAGRGPESPLRSPARAKA
SPLRRSAESRDATASATPAPPAPPVPPVSSVRVVSASGAVSEEIEVLEMVREDEAPQLPDSEQPPSAE
LESPAEECSWAGLFSFQDLRAVHQQLCSVNSQLEPCLPVFPEEPSGMWTVLFGGAPEMTEQEIDALCYQL
QVYLGHLDTGKILSQVLFTEDDPEEYYSLSSELRQKGYEEVLQRARRRIQELLDKHKTIESMVELL
DLYQMEDEAYSSLAETELYQYLLQPFDMRELAMLRQKIKISMENDYLGPRRIESLQKEDADWQRKA
HMAVLSIQDLTVKYFEITAKAQKAVYDRMRADQKFKGKASWAAAAERMEKLQYAVSKETLQMMRAKEICL
EQKKHALKEEMQSLQGGTEAIARLDQLESDYYDLQLQLYEVQFEILKCELLLTAQLESIKRLISEKRDE
VVYYDTYESMEAMLEKEEMAASVHAQREELQKLQKARQLEARRGRVSAKKAYLRNKKEICIAKHHEKFQ
QRFQSEDEYRAHHTIQIKRDKLHDEEERKSAWVSQERQRTLDRLRTFKQRYPGQVILKSTRLRVAHSRRK
STASPVPCEEQCHSLPTVLQGGQEKTEVGGGSQLGSPQTAEPQSLVQLEDTSSEQLESTSLPPRAVVSSE
LPPPQSAPLLTSIDPKPCSVTIDPLPPPPLPPTPPPPPPPPPPPPPLPVAKDNASTTAETLEKDARTE
GNERSIPKSASAPAAHLFDSSQLVSARKKLRKTVEGLQRRRVSSPMDEVLASLKRGSFHLKKVEQRTLPP
FPDEDDSNILAQIRKGVKLLKVKQKEVLRRESFTLLPDTDPLTRSIHEALRRIKEASPESEDEEEALPCTD
WEN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	110.6 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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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 after receiving vials.
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_067285
Locus ID:	57748
UniProt ID:	Q9QXM1 , A0A0R4J0V4
RefSeq Size:	8780
Cytogenetics:	13 C3
RefSeq ORF:	2949
Synonyms:	AA591059
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.[UniProtKB/Swiss-Prot Function]