

Product datasheet for **TP509159**

Trim29 (NM_023655) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse tripartite motif-containing 29 (Trim29), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209159 protein sequence Red =Cloning site Green =Tags(s)
	<p>MEGADACRSNGASPEARDTRSPPGPSGLENLTKADSKDTKTTNGHSGEVTEGKTLGSALKSGEGKSGFL SSNEWRRPIIQFVESVDDKGSYSFMSDSAEGRRSPYAGLQLGASKKPPVTFAEKGELRKSIFSEPRKPTV TIVEPGEVRRNSYPRADSSLLARAKSGSEEVLCDSICIGNKQKAVKSLVCQASFCELHLKPHLEGAAFRD HQLLEPIRDFEARKCPLHGKTMELFCQTDQTCICYLCMFQEHNHSTVTVVEAKAEKETELSLQKEQLQL KIIIEIDDVEKWQKEKDRIKSFTTNEKAILEQNFRDLVRELEKQKEEVRAALEQREQDAVDQVKVIVDAL DERAKVLHEDKQTREQLHNISDSVLFLQEFGALMSNYSLPPPLPTYHVLLLEGELGQSLGNCKDDLNV MRHVEKMCKADLSRNFIERNHMENGGDHRYMNSYSSYGNWSTPDTMKRYSMYLPKGGGRTSYQPSSP SRLSKETNQNKNFNLYGKGNYSRVWEYTSTVQNSEDMPTVQGNSSFSLKGFPSLLRSQVPAQPQTWK SGKQTLSSHYPFVYVKNKSGSISNEAP</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	65.8 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
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.



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RefSeq: [NP_076144](#)

Locus ID: 72169

UniProt ID: [Q8R2Q0](#)

RefSeq Size: 2830

Cytogenetics: 9 A5.1

RefSeq ORF: 1761

Synonyms: 1110047J21Rik; 2810431N19Rik; 4732461M22Rik; AI119726

Summary: Plays a crucial role in the regulation of macrophage activation in response to viral or bacterial infections within the respiratory tract. Mechanistically, TRIM29 interacts with IKBKG/NEMO in the lysosome where it induces its 'Lys-48' ubiquitination and subsequent degradation. In turn, the expression of type I interferons and the production of proinflammatory cytokines are inhibited. Additionally, induces the 'Lys-48' ubiquitination of TMEM173/STING in a similar way, leading to its degradation.[UniProtKB/Swiss-Prot Function]