

Product datasheet for **TP315740M**

Endonuclease V (ENDOV) (NM_173627) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human hypothetical protein FLJ35220 (FLJ35220), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215740 representing NM_173627 Red =Cloning site Green =Tags(s)
	 MALEAAGGPPEETLSLWKREQARLKAHVDRDTEAWQRDPAFSGLQRVGGVDVSFVKGDSVRACASLVVL SFPELEVWYEESRMVSLTAPYVSGFLAFREVPFLELVQQLREKEPGLMPQVLLVDGNGVLHHRGFGVAC HLGVLTDLPCVGVAKLLQVDGLENNALHKEKIRLLQTRGDSFLLGDSGTVLGMALRSHDRSTRPLYIS VGHMSLEAAVRLTCCCCRFRIPEPVRQADICSREHIRKSLGLPGPPTPRSPKAQRPVACPKGDSGESSA LC TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	30.6 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
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.
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_775898
Locus ID:	284131



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UniProt ID: [Q8N8Q3](#)

RefSeq Size: 2858

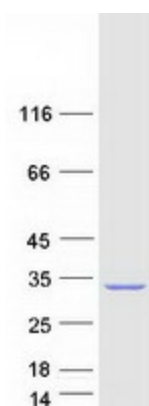
Cytogenetics: 17q25.3

RefSeq ORF: 846

Summary: Endoribonuclease that specifically cleaves inosine-containing RNAs: cleaves RNA at the second phosphodiester bond 3' to inosine. Has strong preference for single-stranded RNAs (ssRNAs) toward double-stranded RNAs (dsRNAs). Cleaves mRNAs and tRNAs containing inosine. Also able to cleave structure-specific dsRNA substrates containing the specific sites 5'-IIUI-3' and 5'-UIUU-3'. Inosine is present in a number of RNAs following editing; the function of inosine-specific endoribonuclease is still unclear: it could either play a regulatory role in edited RNAs, or be involved in antiviral response by removing the hyperedited long viral dsRNA genome that has undergone A-to-I editing. Binds branched DNA structures.[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified ENDOV protein (Cat# [TP315740]). The protein was produced from HEK293T cells transfected with ENDOV cDNA clone (Cat# [RC215740]) using MegaTran 2.0 (Cat# [TT210002]).