

Recombinant Human PAN2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PAN2-3540H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PAN2 MS Standard C13 and N15-labeled recombinant protein (NP_055686) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a deadenylase that functions as the catalytic subunit of the polyadenylate binding protein dependent poly(A) nuclease complex. The encoded protein is a magnesium dependent 3' to 5' exoribonuclease that is involved in the degradation of cytoplasmic mRNAs. Alternate splicing results in multiple transcript variants.
Molecular Mass	135 kDa
AA Sequence	MNFEGLDPGLAEYAPAMHSALDPVLDAHLNPNLLQNVELDPEGVALEALPVQESVHI MEGVYSELHSVVAEVGVPVSVSHFDLHEEMLWVGSHGGHATSFFGPALERYSSSQ VNGSDDIRQIQSLENGILFLTNNLKYMARGGLIIFDYLLDENEDMHSLLTDSSTLLV GGLQNHILEIDLNTVQETQKYAVETPGVTIMRQTNRFFFCGHTSGKVSLRDLRTFKV EHEFDAFSGSLSDFDVHGNLLAACGFSSRLTGLACDRFLKVYDLRMMRAITPLQVH VDPAFLRFIPTYTSRLAIISQSGQCQFCEPTGLANPADIFHVNVPVGPLLMTFDVSASK QALAFGDSEGCVHLWTDSPESFPNPYSRETEFALPCLVDSLPLDWSQDLLPLSLIP VPLTTDTLLSDWPAANSAPAPRRAPPVDAEILRTMKKVGFIGYAPNPRTRLRNQIPY

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RLKESDSEFDSFSQVTESPVGREEEPHLHVMVSKKYRKVTIKYSKLGLED FDFKHYNK
 TLFAGLEPHIPNAYCNCMIQVLYFLEPVRC LIQNHLCQKEFCLACELGFLFHMLDLSR
 GDPCQGNNFLRAFRTIPEASALGLILADSDEASGKG NLARLIQRWNRFLTQLHQDM
 QELEIPQAYRGAGGSSFCSSGDSVIGQLFSC EMENCSLCRCGSETVRASSTLLFTLS
 YPDDKTGKNYDFAQVLKRSICLDQNTQAWCDTCEKYQPTIQTRNIRHLPDILVINCEV
 NSSKEADFWRMQAEVAFKMAVKKHGG EISKNKEFALADWKELGSPEGVLVCP SIEE
 LKNVWLPFSIRMKMTKNKGLDVCNWT DGDEM QWGPARAE EHG VYVYDLMATVV
 HILDSRTGGSLVAHIKVG ETYHQRKEGVTHQQWYLFNDFLIEPIDKHEAVQFDMNWK
 VPAILYYVKRNLNSRYNLNIKNPIEASVLLAEASLARKQRKTH TTFIPLMLNEMPQIGD
 LVGLDAEFVTLNEEEAELRSDG TKSTIKPSQMSVARITCVRGQGPNEGIPFIDDYIST
 QEQVVDYLTQYSGIKPGDLDAKISSKHLT TLKSTY LKL RFLIDIGVKFVG HGLQKDFRV
 INLMVPKDQVLDTVYLFHMPRKR MISLRFLAWYFLDLKI QGETHDSIEDARTALQLYR
 KYLELSKNGTEPESFHKVLKGLYEKGRKMDWKVPEPEGQTSPKNAAVFSSVLALTR
 TRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PAN2 poly(A) specific ribonuclease subunit PAN2 [Homo sapiens (human)]

Official Symbol PAN2

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Synonyms

PAN2; PAN2 poly(A) specific ribonuclease subunit homolog (S. cerevisiae); ubiquitin specific peptidase 52, ubiquitin specific protease 52, USP52; PAB-dependent poly(A)-specific ribonuclease subunit 2; hPAN2; KIAA0710; PAN2 homolog; PABP1 dependent poly A specific ribonuclease subunit (S. cerevisiae); ubiquitin specific protease 52; ubiquitin specific peptidase 52; PABP-dependent poly(A) nuclease 2; PAN2 polyA specific ribonuclease subunit; inactive ubiquitin carboxyl-terminal hydrolase 52; USP52; FLJ39360;

Gene ID

9924

mRNA Refseq

NM_014871

Protein Refseq

NP_055686

MIM

617447

UniProt ID

Q504Q3

SDS-PAGE


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