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Product datasheet for TP511279

Xrn2 (NM_011917) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse 5'-3' exoribonuclease 2 (Xrn2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211279 protein sequence Red=Cloning site Green=Tags(s) MGVPAFFRWLSRKYPSIIVNCVEEKPKECNGVKIPVDASKPNPNDVEFDNLYLDMNGIIHPCTHPEDKPA PKNEDEMMVAIFEYIDRLFNIVRPRRLLYMAIDGVAPRAKMNQQRSRRFRASKEGMEAAVEKQRVREEIL AKGGFLPPEEIKERFDSNCITPGTEFMDNLAKCLRYYIADRLNNDPGWKNLTVILSDASAPGEGEHKIMD YIRRQRAQPNHDPNTHHCLCGADADLIMLGLATHEPNFTIIREEFKPNKPKPCALCNQFGHEVKDCEGLP REKKGKHDELADSLPCAEGEFIFLRLNVLREYLERELTMASLPFPFDVERSIDDWVFMCFFVGNDFLPHL PSLEIREGAIDRLVNIYKNVVHKTGGYLTESGYVNLQRVQMIMLAVGEVEDSIFKKRKDDEDSFRRRQKE KRKRMKRDQPAFTPSGILTPHALGSRNSPGCQVASNPRQAAYEMRMQRNSSPSISPNTSFASDGSPSPL G GIKRKAEDSDSEPEPEDNVRLWEAGWKQRYYKNKFDVDAADEKFRRKVVQSYVEGLCWVLRYYYQGCAS W KWYYPFHYAPFASDFEGIADMSSEFEKGTKPFKPLEQLMGVFPAASGNFLPPTWRKLMSDPDSSIIDFYP EDFAIDLNGKKYAWQGVALLPFVDERRLRAALEEVYPDLTPEENRRNSLGGDVLFVGKLHPLRDFILELY QTGSTEPVDVPPELCHGIQGTFSLDEEAILPDQTVCSPVPMLRDLTQNTAVSINFKDPQFAEDYVFKAAM LPGARKPATVLKPGDWEKSSNGRQWKPQLGFNRDRRPVHLDQAAFRTLGHVTPRGSGTSVYTNTALPPA N YQGNNYRPLLRGQAQIPKLMSNMRPQDSWRGPPPLFQQHRFERSVGAEPLLPWNRMIQNQNAAFQP NQYQ MLGGPGGYPPRRDDHRGGRQGYPREGRKYPLPPPSGRYSWN TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	108.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method

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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.
RefSeq:	NP_036047
Locus ID:	24128
UniProt ID:	Q9DBR1
RefSeq Size:	3383
Cytogenetics:	2 G2
RefSeq ORF:	2853
Summary:	Possesses 5'->3' exoribonuclease activity. May promote the termination of transcription by RNA polymerase II. During transcription termination, cleavage at the polyadenylation site liberates a 5' fragment which is subsequently processed to form the mature mRNA and a 3' fragment which remains attached to the elongating polymerase. The processive degradation of this 3' fragment by this protein may promote termination of transcription. Binds to RNA polymerase II (RNAp II) transcription termination R-loops formed by G-rich pause sites (By similarity).[UniProtKB/Swiss-Prot Function]