

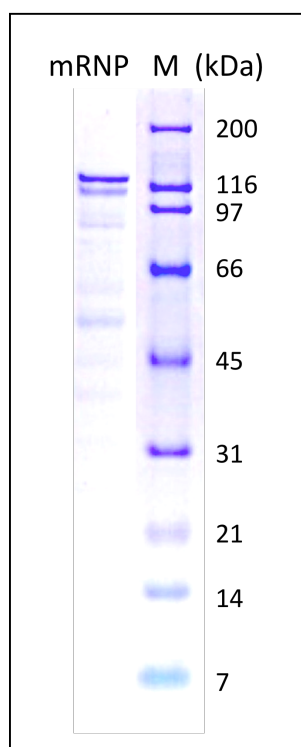
Recombinant Human mito RNA Polymerase

Catalog Number	Size
AG325-20	20ug
AG325-100	100ug
AG325-B	Bulk

Specifications and Use

Description

Recombinant human mitochondrial RNA polymerase (mRNP 44-1230) was expressed in Sf9 cells and purified by an affinity column in combination of other chromatograph methods. The resulted protein is a monomeric polypeptide of 1202 (1187+15) amino acids with a 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 130kDa.



MHHHHHHGRRASVLEASPOEQDQDRRKDWGHVELLEVLQARVRQLQAESV
SEVVVNVRVDVARLPECSGDGSLOPPRKVQMGAKDATPVPCGRWAKILEK
DKRTQQMRMQRLKAKLQMPFQSGEFKALTRRLQVEPRLLSKQMAGCLEDC
TRQAPESPWEEQLAQLLQEAPGKLSLDVEQAPSGQHSQAQLSGQQQRLLA
FFKCCLLTDLPLAHLLLVVHHGQRQKRKLLTLDYNAVMLGWARQGAFAK
ELVYVLFMVKDAGLTPDLLSYAAALQCMGRQDQAGTIERCLEQMSQEG
KLQALFTAVLLSEEDRATVLKAVHKVKPTFSLPPQLPPPVNTSKLLRDVY
AKDGRVSYPKLHLPLKTLQCLFEKQLHMEASRVCVVSVEKPTLPSKEVK
HARKTLKTLRDQWEKALCRALRETKNRLEREVEYEGFRSLYPFLCLDERE
VVRMLLQVLQALPAQGESFTTLARELSARTFSRHVVQRQVSGQVQALQN
HYRKYLCLLASDAEVEPECLPRQYWEALGAPEALREQPWPLPVQMELGKL
LAEMLVQATQMPCSLDKPHHSSRLVPVLYHVYSFRNVQQIGILKPHPAYV
QLLEKAAEPTLTFEAVDVPMLCPPLPWTSPHSGAFLLSPTKLMRTVEGAT
QHQLLETCPPPTALHGALDALTQLGNCAWRVNGRVLDLVLQLFQAKGCPQ
LGVPAPPSEAPQPPEAHLPHSAAPARKAELRRELAHCQKVAREMHSLRAE
ALYRLSLAQHLRDRVFWLPHNMDFRGRTYPCPPHFNHLSGSDVARALLEFA
QGRPLGPHGLDWLKIHLVNLTLGLKKREPLRKRLAFAEEVMDIILDSADQP
LTGRKWWMGAEPPWQTLACCMEVANAVRASDPAAVYSHLPVHQDGCNGL
QHAAALGRDSVGAASVNLEPSDVPQDVYSGVAAQVEVFRQDAQRGMVA
QVLEGFITRKVVQTVMTVVYGVTRYGGRLQIEKRLRELSDFPQEFVWEA
SHYLVRQVFKSLQEMFSGTRAIQHWLTESARLISHMGSVVEWVTPLGVPV
IQPYRLDSKVQIGGGIQSITYTHNGDISRKPNTRKQKNGFPNFIHSLD
SSHMMLTALHCYRKGLTFVSVHDCYWTHAADVSVMNQVCREQFVRLHSEP
ILQDLSRFLVKRFCSEPOKILEASQLKETLQAVPKPGAFDLEQVKRSTYF
FS*

Accession Number

NM_005035

Source

Sf9

Molecular Mass

Approximately 130kD.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

Recombinant human mRNP protein is suitable for the studies of DNA-directed RNA synthesis and other related function assays.

Formulation

20mM HEPES-Na, pH7.9, 20% glycerol, 100mM NaCl, 2mM DTT and 1mM EDTA.

Storage

The protein sample can be stored under sterile conditions at 2-8°C for one month or at -20°C to -70°C for three months without detectable loss of activity.

Special Notes

FOR RESEARCH USE ONLY