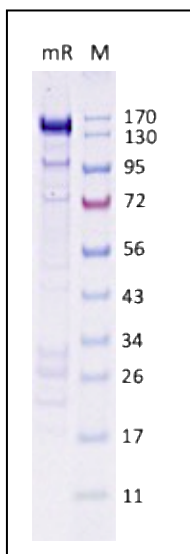


Human mito-RNA Polymerase

Catalog Number	Size
AG325-10	10ug
AG325-25	25ug
AG326-B	Bulk

Description

The recombinant human mitochondrial RNA polymerase (h-mtRNP) was expressed in the baculovirus system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 1202 (15+1187) amino acids with an 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 130kDa.



MHHHHHHGRRASVLEASPQEQDQDRRKDWGHVELLEVLQARVRQLQAESV
SEVVVNRVDVARLPECSGDGSGLQPPRKVQMGAKDATPVPCGRWAKILEK
DKRTQQMRMQRLKAKLQMPFQSGFEKALTRRLQVEPRLLSKQMAGCLEDC
TRQAPESPWEEQLAQLLQEAPGKLSLDVEQAPSGQHSQAQLSGQQORLLA
FFKCCLLTDQLPLAHLLLVVHHGQRQKRKLLTLDYNAVMLGWARQGAFK
ELVYVLFMVKDAGLTPDLLSYAAALQCMGRQDQDAGTIERCLEQMSQEG
KLQALFTAVLLSEEDRATVLKAVHKVKPTFSLPPQLPPPNTSKLLRDVY
AKDGRVSYPKLHLPLKTLQCLFEKQLHMEASRVCVSVVEKPTLPSKEVK
HARKTLKTLRDQWEKALCRALRETKNRLEREVEYEGFSLYPFLCCLDERE
VVRMLLQVLQALPAQGESFTTLARELSARTFSRHVVQRQVSGQVQALQN
HYRKYLCLLASDAEVPEPCLPRQYWEALGAPEALREQWPPLPVQMEGLK
LAEMLVQATQMPCSLDPKPHSSRLVPVLYHVYSFRNVQQIGILKPHPAYV
QLLEKAAEPTLTFEAVDVPMLCPPLPWTSPHSGAFLLSPTKLMRTVEGAT
QHQELLETCPTALHGALDALTQLGNCAWRVNGRVLDLVLQLFQAKGCPQ
LGVPAPPSEAPQPPEAHLPHSAAPARKAELRRELAHCQKVAREMHSLRAE
ALYRLSLAQHLRDRVFWLPHNMDFRGRTPCPPHFNHLGSDVARALLEFA
QGRPLGPHGLDWLKIHLVNLTGLKKREPLRKRLAFAEEVMDDILDADQP
LTGRKWWMGAEPPWQTLACCMEVANAVRASDPAAYVSHLPVHQDGSCNGL
QHAAALGRDSVGAASVNLEPSDVPQDVYSGVAAQVEVFRRQDAQRGMVA
QVLEGFITRKVVKQTVMTVVYGVTRYGGRLQIEKRLRELSDFPQEFVWEA
SHYLVRQVFKSLQEMFSGTRAIQHWLTESARLISHMGSVVEWVTPLGVPV
IQPYRLDSKVKQIGGGIQSITYTHNGDISRKPNTRKQKNGFPNFIHSLD
SSHMMLTALHCYRKGLTFVSVHDCYWTHAADVSVMNQVCREQFVRLHSEP
ILQDLRSFLVKRFCSEPQKILEASQLKETLQAVPKPGAFDLEQVKRSTYF
FS*

Accession Number

NM_005035

Molecular Mass

Approximately 130kDa.

Purity

≥90%, as determined by SDS-PAGE.



www.ascentgene.com

Tel: 1-800-689-2270 or 301-476-0885

Email: info@ascentgene.com

Biological Activity	Human mitochondrial RNA polymerase (h-mtRNP) is responsible for mitochondrial gene expression and for providing RNA primers for replication initiation of the mitochondrial genome. The recombinant h-mtRNP is suitable for the studies of mitochondrial DNA-directed transcription in vitro and other related assays.
Formulation	20mM Tris-Cl (pH7.9), 20% glycerol 100mM NaCl, 1mM 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. (<i>Avoid repeated freeze-thaw cycle</i>)

FOR RESEARCH USE ONLY!!!