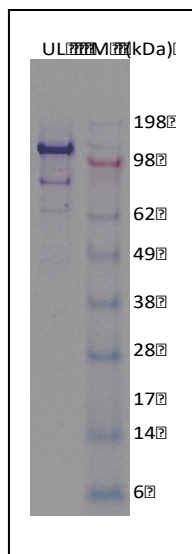


Recombinant CMV DNA Polymerase

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

Description

The recombinant human CMV DNA polymerase (UL54) was expressed in the baculovirus system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 1474 (1462+12) amino acids with an 6His tag at the C-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 160kDa.



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MFFNPYLSGGVTGGAVAGGRRQRSQPGSAQGSQGRPPQKQFLQIVPRGVM
FDGQTGLIKHKTGRLPLMFYREIKHLLSHDMVWPCPWRETIVGRVVGPIR
FHTYDQTDVAVLFFDSPENVSPRYRQHLVPSGNVLRFFGATEHGYSICNVV
FGQRSYFYCEYSDTDLREVIASVVELVPEPRTPYAVSVTPATKTSIYGY
GTRPVPDLQCVSISNWTMARKIGEYLLQGGFPVYEVVRVDPLTRLVIDRRI
TTFGWCSVNRYDWRQQGRASTCDIEVDCDVSDLVAVPDDSSWPRYRCLSF
DIECMSGEGGFPCAESDDIVIQISVCYETGGNTAVDQGI PNGNDGRGC
TSEGVIFGHSGHLFTIGTCGQVGPVDVYEFPSYELLGLFMLFFQRYA
PAFVTGYNINSFDLKYILTRLEYLYKVDSQRFCKLPTAQGGRFFLHSPAV
GFKRQYAAAFPSASHNNPASTAATKVYIAGSVVIDMYPVCMAKTNSPNYK
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YSKGTTPPETNSVAVSPNAAI ISTAAVPGDAGSVAAMFQMSPPLQSAPSS
QDGVSPGSGSNSSSVGVFSVGSGSSGGVGVSNNDNHGAGGTAAVSYQGAT
VFEPEVGYYNDPVAVFDFASLYPSI IMAHNLCYSTLLVPGGEYPVDPADV
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VRVEDLVLSVLSKDISLYRQSNLPHIAVIKRLAARSEELPSVGDRVFYV
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GEPAKKRARKPPSAVCNIEVAEDPSYVREHGVPIHADKYFEQVLKAVTNV
LSPVFPGETARKDKFLHMLVLPRLHLEPAFLPYSVKAHECCGGGVDGHH
HHHH*

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Accession Number

M17209

Molecular Mass

Approximately 160kDa.

Purity

≥90%, as determined by SDS-PAGE.



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Biological Activity	Human CMV DNA polymerase (UL54) is a catalytic subunit of cytomegalovirus DNA polymerase and plays an essential role in the replication of viral genomic DNA in the late phase of lytic infection. The recombinant HCMV DNA polymerase is suitable for the studies of DNA synthesis in viral infection.
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!!!