

Recombinant human DNA polymerase subunit gamma-2, mitochondrial

Catalog No: #AP71588

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Package Size: #AP71588-1 20ug #AP71588-2 100ug #AP71588-3 1mg

Description

Product Name	Recombinant human DNA polymerase subunit gamma-2, mitochondrial
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-485aaSequence Info:Full Length
Other Names	DNA polymerase gamma accessory 55KDA subunit ;p55Mitochondrial DNA polymerase accessory subunitMtPolBPoIG-beta
Accession No.	Q9UHN1
Uniprot	Q9UHN1
GeneID	11232;
Calculated MW	70.9 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MRSRVAVRACHKVCRCLLSGFGGRVDAGQPELLTERSSPKGGHVKSHAELEGNGEHPEAPGSGEGSEALLE ICQRRHFLSGSKQQLSRDSSLGCHPGFGPLGVELRKNLAAEWWTSVVVFREQVFPVDALHHKPGPLLPGDS AFRLVSAETLREILQDKELSKEQLVAFLENVLKTSGLKRENLLHGALEHYVNCLDLVNKRLPYGLAQIGVCFHP VFDTKQIRNGVKSIGEKTEASLVWFTPPRTSNQWLDLFWLRHRLQWWRKFAMSPSNFSSSDCQDEEGRKGN KLYYNFPWGKELIETLWNLGDHELLHMYPGNVSKLHGRDGRKNVPCVLSVNGDLDRGMLAYLYDSFQLTEN SFTRKKNLHRKVLKLPCLAPIKVALDVGRGPTLELRQVCQGLFNELLENGISVWPGYLETMQSSLEQLYSKY DEMSILFTVLVTETTLENGLIHLRSRDTTMKEMMHISKLKDFLIKYISSAKNV
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Mitochondrial polymerase processivity subunit. Stimulates the polymerase and exonuclease activities, and increases the processivity of the enzyme. Binds to ss-DNA.

References

Progressive external ophthalmoplegia and vision and hearing loss in a patient with mutations in POLG2 and OPA1.Ferraris S., Clark S., Garelli E., Davidzon G., Moore S.A., Kardon R.H., Bienstock R.J., Longley M.J., Mancuso M., Gutierrez Rios P., Hirano M., Copeland W.C., DiMauro S.Arch. Neurol. 65:125-131(2008)Research Topic:Transcription

Note: This product is for in vitro research use only