Datasheet for ABIN5711719

PNKP Protein (AA 1-521, full length) (His-SUMO Tag)

1 Image

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Overview

Quantity:	100 µg
Target:	PNKP
Protein Characteristics:	AA 1-521, full length
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PNKP protein is labelled with His-SUMO Tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGEVEAPGRL WLESPPGGAP PIFLPSDGQA LVLGRGPLTQ VTDRKCSRTQ VELVADPETR TVAVKQLGVN PSTTGTQELK PGLEGSLGVG DTLYLVNGLH PLTLRWEETR TPESQPDTPP GTPLVSQDEK RDAELPKKRM RKSNPGWENL EKLLVFTAAG VKPQGKVAGF DLDGTLITTR SGKVFPTGPS DWRILYPEIP RKLRELEAEG YKLVIFTNQM SIGRGKLPAE EFKAKVEAVV EKLGVPFQVL VATHAGLYRK PVTGMWDHLQ EQANDGTPIS IGDSIFVGDA AGRPANWAPG RKKKDFSCAD RLFALNLGLP FATPEEFFLK WPAAGFELPA FDPRTVSRSG PLCLPESRAL LSASPEVVVA VGFPGAGKST FLKKHLVSAG YVHVNRDTLG SWQRCVTTCE TALKQGKRVA IDNTNPDAAS RARYVQCARA AGVPCRCFLF TATLEQARHN NRFREMTDSS HIPVSDMVMY GYRKQFEAPT LAEGFSAILE IPFRLWVEPR LGRLYCQFSE G
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

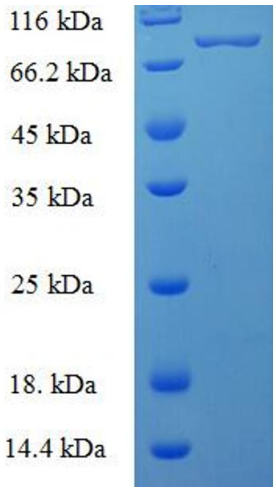
Target:	PNKP
Alternative Name:	PNKP (PNKP Products)
Background:	Plays a key role in the repair of DNA damage, functioning as part of both the non-homologous end-joining (NHEJ) and base excision repair (BER) pathways. Through its two catalytic activities, PNK ensures that DNA termini are compatible with extension and ligation by either roving 3'-phosphates from, or by phosphorylating 5'-hydroxyl groups on, the ribose sugar of the DNA backbone.
Molecular Weight:	73 kDa
UniProt:	Q96T60
Pathways:	DNA Damage Repair, Nucleotide Phosphorylation

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.