

Product datasheet for TP518943

Nth1 (NM_008743) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse nth (endonuclease III)-like 1 (E.coli) (Nth1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR218943 protein sequence Red =Cloning site Green =Tags(s)
	MNSGVRMVTRSRSRATRIASEGCREELAPREAAAEGRKSHRPVHRPRTQKTHVAYEAANGEEGEDAEPL KVPVWEPQNWQQQLANIRIMRSKKDAPVDQLGAEHCYDASAPPKVRRYQVLLSLMLSSQTKDQVTAGAMQ RLRARGLTVESILQTDLTLGRLIYPVGFWRNKVKYIKQTTAILQQRVEGDIPASVAELVALPGVGPKMA HLAMAVAWGTISGIAVDTHVHRIANRLRWTKKMTKTPEETRKNLEEWLPRVLWSEVNGLLVGFQIQICLP VHPRCQACLNKALCPAAQDL
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	33.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_032769
Locus ID:	18207
UniProt ID:	O35980



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RefSeq Size: 1080

Cytogenetics: 17 A3.3

RefSeq ORF: 903

Synonyms: Nth1; Octs3

Summary: Bifunctional DNA N-glycosylase with associated apurinic/aprimidinic (AP) lyase function that catalyzes the first step in base excision repair (BER), the primary repair pathway for the repair of oxidative DNA damage. The DNA N-glycosylase activity releases the damaged DNA base from DNA by cleaving the N-glycosidic bond, leaving an AP site. The AP lyase activity cleaves the phosphodiester bond 3' to the AP site by a beta-elimination. Primarily recognizes and repairs oxidative base damage of pyrimidines.[UniProtKB/Swiss-Prot Function]