

Product datasheet for **TP309573M**

DNase II (DNASE2) (NM_001375) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human deoxyribonuclease II, lysosomal (DNASE2), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC209573 protein sequence Red =Cloning site Green =Tags(s) |
| | MIPLLLAALLCVPAGALTCYGDSGQPVDWVYKLPALRGSGEAAQRGLQYKYLDESSGGWRDGRALINS PEGAVGRSLQPLYRSNTSQLAFLLYNDQPPQPSKAQDSSMRGHTKGVLLLDHGGFWLVHVSVPNFPPAS SAAYSWPHSACTYGTLLCVSFPFAQFSKMGKQLTYTYPWVYNYQLEGIFAQEFDPLENVVKGHHVSQEP WNSSITLTSQAGAVFQSFQSKFGDDLYSGWLAAALGTNLQVQFWHKTGILPSNCSDIWQVLNVNQA FPGPAGPSFNSTEDHSKWCVSPKGPWTCVGD MNRNQGEEQRGGGTLCAQLPALWKAFQPLVKNYQPCNGM ARKPSRAYKI |
| | TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Tag: | C-Myc/DDK |
| Predicted MW: | 39.4 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 |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| 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. |
| 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: | <u>NP_001366</u> |
| Locus ID: | 1777 |



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UniProt ID: [O00115](#), [A0A024R7F4](#)

RefSeq Size: 2011

Cytogenetics: 19p13.13

RefSeq ORF: 1080

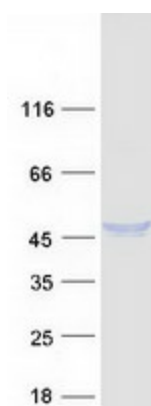
Synonyms: DNASE2A; DNL; DNL2

Summary: This gene encodes a member of the DNase family. The protein, located in the lysosome, hydrolyzes DNA under acidic conditions and mediates the breakdown of DNA during erythropoiesis and apoptosis. Two codominant alleles have been characterized, DNASE2*L (low activity) and DNASE2*H (high activity), that differ at one nucleotide in the promoter region. The DNASE2*H allele is represented in this record. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Lysosome

Product images:



Coomassie blue staining of purified DNASE2 protein (Cat# [TP309573]). The protein was produced from HEK293T cells transfected with DNASE2 cDNA clone (Cat# [RC209573]) using MegaTran 2.0 (Cat# [TT210002]).