

Recombinant Full Length Human DNASE2 Protein, C-Flag-tagged

Cat. No. DNASE2-971HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human DNASE2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	39.4 kDa
AA Sequence	MIPLLLAALLCVPAGALTCYGDGSGQPVDWVFVYKLPALRGSGEAAQRGLQYKYLDE SSGGWRDGRALINS PEGAVGRSLQPLYRSNTSQLAFLLYNDQPPQPSKAQDSSMR GHTKGVLLLDHDGGFWLVHSPNFPFPAS SAAYSWPHSACTYGGQTLLCVSFPPAQ FSKMGKQLTYTYPWVYNYQLEGIFAQEFDPDENNVKGGHHVSQEP WNSSITLTSQA GAVFQSFQSKFGDDL YSGWLAAALGTNLQVQFWHKTVGILPSNCSDIWQVLNVN QIA FPGPAGPSFNSTEDHSKWCVSPKGPWTCVGDMMNRNQGEEQRGGGTLCAQL

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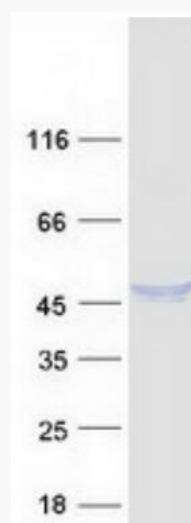
	PALWKAFQPLVKNYQPCNGM ARKPSRAYKITRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Lysosome
Full Length	Full L.
GENE INFORMATION	
Gene Name	DNASE2 deoxyribonuclease 2, lysosomal [Homo sapiens (human)]
Official Symbol	DNASE2
Synonyms	DNL; DNL2; AIPCS; DNASE2A
Gene ID	1777

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mRNA Refseq	NM_001375.3
Protein Refseq	NP_001366.1
MIM	126350
UniProt ID	O00115



Coomassie blue staining of purified DNASE2 protein.

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