Recombinant Full Length Human DNASE2 Protein, GST-tagged

Cat. No. DNASE2-4035HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DNASE2 full-length ORF (AAH10419, 1 a.a. - 360 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	360 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	65.23 kDa
AA Sequence	MIPLLLAALLCVPAGALTCYGDSGQPVDWFVVYKLPALRGSGEAAQRGLQYKYLDE SSGGWRDGRALINSPEGAVGRSLQPLYRSNTSQLAFLLYNDQPPQPSKAQDSSMR GHTKGVLLLDHDGGFWLVHSVPNFPPPASSAAYSWPHSACTYGQTLLCVSFPFAQ FSKMGKQLTYTYPWVYNYQLEGIFAQEFPDLENVVKGHHVSQEPWNSSITLTSQAG AVFQSFAKFSKFGDDLYSGWLAAALGTNLQVQFWHKTVGILPSNCSDIWQVLNVNQ IAFPGPAGPSFNSTEDHSKWCVSPKGPWTCVGDMNRNQGEEQRGGGTLCAQLPA LWKAFQPLVKNYQPCNGMARKPSRAYKI

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	DNASE2 deoxyribonuclease II, lysosomal [Homo sapiens]
Official Symbol	DNASE2
Synonyms	DNASE2; deoxyribonuclease II, lysosomal; DNL, DNL2; deoxyribonuclease-2-alpha; R31240_2; acid DNase; DNase II alpha; lysosomal DNase II; DNase II, lysosomal; deoxyribonuclease II alpha; DNL; DNL2; DNASE2A;
Gene ID	1777
mRNA Refseq	NM_001375
Protein Refseq	NP_001366
MIM	126350
UniProt ID	O00115

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