

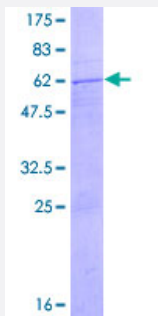
Full-Length

DNASE2 (Human) Recombinant Protein (P02)

Catalog # H00001777-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human DNASE2 full-length ORF (NP_001366.1, 1 a.a. - 360 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MIPLLLAALLCVPAGALTCYGDGSGQPVDWVFVYKLPALRGSGEAAQRGLQYKYLDESSGGWRD
GRALINSPEGAVGRSLQPLYRSNTSQLAFLLYNDQPPQPSKAQDSSMRGHTKGVLLLDHGGFW
LVHSVPNFPPPASSAAYSWPHSACTYGQTLLCVSFPAQFSKMGKQLTYTPWVYNYQLEGIFAQ
EFPDLENVKGHHVSQEPWNSSITLTSQAGAVFQSFQSKFGDDL YSGWLAAAALGTNLQVQF
WHKTVGILPSNCSDWQVLNVNQIAFPGPAGPSFNSTEDHSKWCVSPKGPWTCVGDMMNRNQGE
EQRGGGTLCALPALWKAQPLVKNYQPCNGMARKPSRAYKI

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

66

Interspecies Antigen Sequence

Mouse (72); Rat (73)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — DNASE2

Entrez GeneID[1777](#)**GeneBank Accession#**[NM_001375.2](#)**Protein Accession#**[NP_001366.1](#)**Gene Name**

DNASE2

Gene Alias

DNASE2A, DNL, DNL2

Gene Description

deoxyribonuclease II, lysosomal

Omim ID[126350](#)**Gene Ontology**[Hyperlink](#)**Gene 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]

Other Designations

DNase II alpha|DNase II, lysosomal|R31240_2|acid DNase

Pathway

- [Lysosome](#)

Disease

- [Arthritis](#)
- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)
- [Nephritis](#)