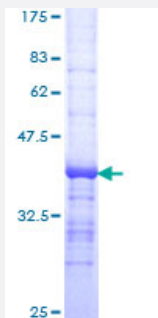


DNASE2 (Human) Recombinant Protein (Q01)

Catalog # H00001777-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human DNASE2 partial ORF (NP_001366, 261 a.a. - 360 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GILPSNCSDIWQVLNVNQIAFPGPAGPSFNSTEDHSKWCVSPKGPWTCVGD MNRNQGEEQRGG GTLCAQLPALWKAFQPLVKNYQPCNGMARKPSRAYKI
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (68); Rat (69)
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](#)

Protein Accession# [NP_001366](#)

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](#)