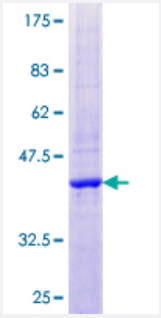
Full-Length

DNASE2B (Human) Recombinant Protein (P01)

Catalog # H00058511-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human DNASE2B full-length ORF (NP_490649.1, 1 a.a. - 153 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MPQLCTRASSSEIPGRLLTTLQSAQGQKFLHFAKSDSFLDDIFAAWMAQRLKTHLLTETWQRKRQ ELPSNCSLPYHVYNIKAIKLSRHSYFSSYQDHAKWCISQKGTKNRWTCIGDLNRSPHQAFRSGGFI CTQNWQIYQAFQGLVLYYESCK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	44.2
Interspecies Antigen Sequence	Mouse (66); Rat (67)
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 — DNASE2B

Entrez GeneID	58511
GeneBank Accession#	NM_058248.1
Protein Accession#	NP_490649.1
Gene Name	DNASE2B
Gene Alias	DLAD
Gene Description	deoxyribonuclease II beta
Omim ID	608057
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene shares considerable sequence similarity to, and is structurally related to DNase II. The latter is a well characterized endonuclease that catalyzes DNA hydrolysis in the absence of divalent cations at acidic pH. Unlike DNase II which is ubiquitously expressed, expression of this gene product is restricted to the salivary gland and lungs. The gene has been localized to chromosome 1p22.3 adjacent (and in opposite orientation) to the uricase pseudogene. Two transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq
Other Designations	DNase II-like acid DNase|OTTHUMP00000011481|endonuclease DLAD|lysosomal DNase II

Pathway

- Lysosome