

Recombinant Full Length Human DNASE2B Protein, GST-tagged

Cat. No. DNASE2B-4037HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DNASE2B full-length ORF (NP_490649.1, 1 a.a. - 153 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	153 amino acids
Description	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, Jul 2008]
Molecular Mass	44.2 kDa
AA Sequence	MPQLCTRASSEIPGRLLTTLQSAQGQKFLHFAKSDSFLDDIFAAWMAQRLKTHLLT ETWQRKRQELPSNCSLPYHVYNIKAIKLSRHSYFSSYQDHAKWCISQKGTKNRWTC IGDLNRSPHQAFRSGGFICTQNWQIYQAFQGLVLYYESCK

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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	DNASE2B deoxyribonuclease II beta [Homo sapiens]
Official Symbol	DNASE2B
Synonyms	DNASE2B; deoxyribonuclease II beta; deoxyribonuclease-2-beta; DLAD; DNase II beta; endonuclease DLAD; lysosomal DNase II; DNase2-like acid DNase; DNase II-like acid DNase;
Gene ID	58511
mRNA Refseq	NM_021233
Protein Refseq	NP_067056
MIM	608057
UniProt ID	Q8WZ79

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