



Recombinant Human Deoxyribonuclease-2-beta (DNASE2B)

Product Code	CSB-EP841227HU-B
Abbreviation	DNASE2B
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q8WZ79
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	ATI SCRNEEGKAV DWFTFYKLPK RQNKESGETG LEYLYLDSTT RSWRKSEQLM NDTKSVLGRT LQQLYEAYAS KSNNTAYLIY NDGVPKPVNY SRKYGHTKGL LLWNRVQGFV LIHSIPQFPP IPEEGDYPP TGRRNGQSGI CITFKYNQYE AIDSQLLVCN PNVYSCSIPA TFHQELIHMP QLCTRASSSE IPGRLLTTLQ SAQGQKFLHF AKSDSFLDDI FAAWMAQRLK THLLTETWQR KRQELPSNCS LPYHVYNIKA IKLSRHSYFS SYQDHAKWCI SQKGTKNRWT CIGDLNRSPH QAFRSGGFIC TQNWQIYQAF QGLVLYYESC K
Source	E.coli
Target Names	DNASE2B
Protein Names	Recommended name: Deoxyribonuclease-2-beta EC= 3.1.22.1 Alternative name(s): DNase II-like acid DNase DNase2-like acid DNase Deoxyribonuclease II beta Short name= DNase II beta Endonuclease DLAD
Expression Region	28-361
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein 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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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