Recombinant Human Deoxyribonuclease-2-alpha (DNASE2)

Product Code	CSB-YP007053HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O00115
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	CY GDSGQPVDWF VVYKLPALRG SGEAAQRGLQ YKYLDESSGG WRDGRALINS PEGAVGRSLQ PLYRSNTSQL AFLLYNDQPP QPSKAQDSSM RGHTKGVLLL DHDGGFWLVH SVPNFPPPAS SAAYSWPHSA CTYGQTLLCV SFPFAQFSKM GKQLTYTYPW VYNYQLEGIF AQEFPDLENV VKGHHVSQEP WNSSITLTSQ AGAVFQSFAK FSKFGDDLYS GWLAAALGTN LQVQFWHKTV GILPSNCSDI WQVLNVNQIA FPGPAGPSFN STEDHSKWCV SPKGPWTCVG DMNRNQGEEQ RGGGTLCAQL PALWKAFQPL VKNYQPCNGM ARKPSRAYKI
Source	Yeast
Target Names	DNASE2
Protein Names	Recommended name: Deoxyribonuclease-2-alpha EC= 3.1.22.1 Alternative name(s): Acid DNase Deoxyribonuclease II alpha Short name= DNase II alpha Lysosomal DNase II R31240_2
Expression Region	19-360
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 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.
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	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.