

Datasheet for ABIN7319474 **RNASET2 Protein (His tag)**



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Overview

Quantity:	50 µg
Target:	RNASET2
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RNASET2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human RNASET2 Protein (Human Cells, His Tag)
Sequence:	Asp25-His256
Characteristics:	Recombinant Human Ribonuclease T2 is produced by our Mammalian expression system and the target gene encoding Asp25-His256 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	RNASET2
Alternative Name:	RNASET2 (RNASET2 Products)
Background:	Background: RNASET2 (ribonuclease T2) is an enzyme which belongs to the RNase T2 family. It is highly expressed in the temporal lobe and fetal brain. RNASET2 gene is a novel member of the Rh/T2/S-glycoprotein class of extracellular ribonucleases. This protein can be inhibited by

Target Details

Zn2+ and Cu2+. It has ribonuclease activity, with higher activity at acidic pH and is probably involved in lysosomal degradation of ribosomal RNA. Defects in RNASET2 are the cause of leukoencephalopathy cystic without megalencephaly. An infantile-onset syndrome of cerebral leukoencephalopathy. Affected newborns develop microcephaly and neurologic abnormalities including psychomotor impairment, seizures and sensorineural hearing impairment. The brain shows multifocal white matter lesions, anterior temporal lobe subcortical cysts, pericystic abnormal myelination, ventriculomegaly and intracranial calcifications.

Synonym: Ribonuclease T2,3.1.27.-,Ribonuclease 6,RNASE6PL

Molecular Weight:	28.2 kDa
UniProt:	O00584

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHcl, 150 mM NaCl,20 % Glycerol, pH 7.5.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.