

Product datasheet for **TP727163**

Ribonuclease T2 (RNASET2) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Ribonuclease T2/RNASET2 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Asp25-His256
Tag:	C-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Tris-Hcl, 150mM NaCl, 20% Glycerol, pH 7.5.
Note:	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.
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	12 months from date of despatch
Locus ID:	8635
UniProt ID:	O00584
Synonyms:	Ribonuclease T2;3.1.27.-;Ribonuclease 6;RNASE6PL
Summary:	<p>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 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, pericyclic abnormal myelination, ventriculomegaly and intracranial calcifications.</p>
Protein Families:	Secreted Protein



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