

Product datasheet for **AR05053PU-N**

Hyaluronidase Bovine Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Hyaluronidase bovine protein, 0.5 g
Species:	Bovine
Concentration:	lot specific
Buffer:	Presentation State: Purified State: Liquid purified protein
Bioactivity:	Biological: A unit is defined as the amount of enzyme that liberates one micromole of N-acetylglucosamine per minute at 37°C and pH 4.0. Specific: 315 U/mg protein
Preparation:	Liquid purified protein
Applications:	ELISA.
Protein Description:	Hyaluronidase catalyzes the depolymerization of mucopolysaccharides, hyaluronic acid, and the chondroitin sulfates A and C. The enzyme is widely distributed in animal tissues but is found in great concentrations in the Bovine and Ovine testes.
Storage:	Store the protein at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch
RefSeq:	NP_149349
Locus ID:	3373
UniProt ID:	Q12794 , A0A024R2X3
Cytogenetics:	3p21.31
Synonyms:	HYAL-1; LUCA1; MPS9; NAT6



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Summary:	This gene encodes a lysosomal hyaluronidase. Hyaluronidases intracellularly degrade hyaluronan, one of the major glycosaminoglycans of the extracellular matrix. Hyaluronan is thought to be involved in cell proliferation, migration and differentiation. This enzyme is active at an acidic pH and is the major hyaluronidase in plasma. Mutations in this gene are associated with mucopolysaccharidosis type IX, or hyaluronidase deficiency. The gene is one of several related genes in a region of chromosome 3p21.3 associated with tumor suppression. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Protein Families:	Secreted Protein
Protein Pathways:	Glycosaminoglycan degradation, Lysosome, Metabolic pathways