

Product datasheet for **AR00109PU-N**

LDH2 Human Protein

Product data:

Product Type:	Native Proteins
Description:	LDH2 human protein, 0.1 kU
Species:	Human
Protein Source:	Erythrocytes
Concentration:	lot specific
Purity:	LD1: Not detected (Helena Electrophoresis). LD2: 96% LD3: 2.7% LD4 and LD5: Not detected
Buffer:	Presentation State: Amm.Sulf.Susp. State: Liquid Ammonia Sulfate Suspension Buffer System: 3.1 M Ammonium Sulfate, 20 mM Tris-Chloride, 1 mM DTT, 1 mM EDTA, pH 7.5
Bioactivity:	Specific: 580 Unit/ml at 37°C Dimension. 250 Unit/mg Protein - One unit will catalyze the transformation of one micromole of L-lactate to pyruvate per minute at 37°C and pH 8.55.
Preparation:	Liquid Ammonia Sulfate Suspension
Protein Description:	Lactate Dehydrogenase Isoenzyme 2 (LDH2) Contaminants: CK: < 0.002 % GT: 0.02 %
Note:	Caution: Source material supplied to your facility has been tested for the detection of HIV antibody, Hepatitis B surface antigen, antibody to Hepatitis C, HIV 1 antigen(s), antibody to HTLV - I/II, and syphilis with FDA approved test kits. All units were found to be non-reactive/negative for these tests. Nevertheless, all products from human sources should be handled as potentially infectious.
Storage:	Store the protein undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Locus ID:	109864281
Cytogenetics:	21p11.2
Synonyms:	Lactate Dehydrogenase Isoenzyme 2



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Summary:

45S ribosomal DNA (rDNA) arrays, or clusters, are present on human chromosomes 13, 14, 15, 21 and 22, designated RNR1 through RNR5, respectively. Each cluster consists of multiple 45S rDNA repeat units that vary in number among individuals and chromosomes, with total diploid copy number estimates ranging from 60 to >800 repeat units in a human genome. The 45S rDNA repeat unit encodes a 45S rRNA precursor, transcribed by RNA polymerase I, which is processed to form the 18S, 5.8S and 28S rRNAs. This gene represents a copy of the 5.8S ribosomal RNA on chromosome 21. [provided by RefSeq, Mar 2017]