

## Product datasheet for **AR00111PU-N**

### LDH4 Human Protein

#### Product data:

Product Type:	Native Proteins
Description:	LDH4 human protein, 0.1 kU
Species:	Human
Protein Source:	Liver
Concentration:	lot specific
Purity:	LDH-4 100% (Helena TITAN Electrophoresis).
Buffer:	Presentation State: Amm.Sulf.Susp. State: Liquid Ammonium Sulfate Suspension. Buffer System: 3.1 mM Ammonium Sulfate, 50 mM Tris-chloride, 1 mM DTE, pH 8.3
Bioactivity:	Specific: 60 Units/ml - 97 Units/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 Ammonium Sulfate Suspension.
Protein Description:	Lactate Dehydrogenase Isoenzyme 4 (LDH4). <b>Purification:</b> LDH4 85% (Helena Quick Gel Electrophoresis) LDH3 4% (Helena Quick Gel Electrophoresis) LDH5 11% (Helena Quick Gel Electrophoresis) LDH1 and LDH2 not detected. <b>Contaminants:</b> ALP: < 0.1% gGT: < 0.1% GOT: < 0.1% GPT: < 0.1%
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. <b>DO NOT FREEZE!</b>
Stability:	Shelf life: one year from despatch.
Locus ID:	109864281
Cytogenetics:	21p11.2
Synonyms:	Lactate Dehydrogenase Isoenzyme 4



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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]