

Product datasheet

Human Lactate Dehydrogenase peptide ab47009

1 Image

Description

Product name	Human Lactate Dehydrogenase peptide
Purity	> 90 % HPLC.
Accession	<u>P00338</u>
Animal free	No
Nature	Synthetic
Species	Human

Specifications

Our **Abpromise guarantee** covers the use of **ab47009** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Form Lyophilized

Additional notes

- First try to dissolve a small amount of peptide in either water or buffer. The more charged residues on a peptide, the more soluble it is in aqueous solutions.
- If the peptide doesn't dissolve try an organic solvent e.g. DMSO, then dilute using water or buffer.
- Consider that any solvent used must be compatible with your assay. If a peptide does not dissolve and you need to recover it, lyophilise to remove the solvent.
- Gentle warming and sonication can effectively aid peptide solubilisation. If the solution is cloudy or has gelled the peptide may be in suspension rather than solubilised.
- Peptides containing cysteine are easily oxidised, so should be prepared in solution just prior to use.

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Information available upon request.

General Info

Pathway	Fermentation; pyruvate fermentation to lactate; (S)-lactate from pyruvate: step 1/1.
Involvement in disease	Defects in LDHA are the cause of glycogen storage disease type 11 (GSD11) [MIM:612933]. A metabolic disorder that results in exertional myoglobinuria, pain, cramps and easy fatigue.
Sequence similarities	Belongs to the LDH/MDH superfamily. LDH family.
Post-translational modifications	ISGylated.
Cellular localization	Cytoplasm.

Images

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- Reinforce the validity of your results with **protein controls**
- Validate specific, reliable reagents with **blocking peptides**
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- Get consistent, reproducible results with premium **bioactive proteins**

Human Lactate Dehydrogenase peptide (ab47009)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
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