

## Product datasheet

# Human DLL4 peptide ab90637

### Description

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|---------------------|----------------------------------|
| <b>Product name</b> | Human DLL4 peptide               |
| <b>Purity</b>       | > 70 % HPLC.<br>70 - 90% by HPLC |
| <b>Animal free</b>  | No                               |
| <b>Nature</b>       | Synthetic                        |
| <b>Species</b>      | Human                            |

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab90637** in the following tested applications.

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

**Form** Liquid

**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

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**Stability and Storage** Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.  
Information available upon request.

### General Info

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**Function** Plays a role in the Notch signaling pathway. Activates Notch-1 and Notch-4.

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|---|---|
| <b>Tissue specificity</b>               | Expressed in vascular endothelium.  |
| <b>Sequence similarities</b>            | Contains 1 DSL domain.<br>Contains 8 EGF-like domains.                                      |
| <b>Domain</b>                           | The Delta-Serrate-Lag2 (DSL) domain is required for binding to the Notch receptor.          |
| <b>Post-translational modifications</b> | Ubiquitinated by MIB (MIB1 or MIB2), leading to its endocytosis and subsequent degradation. |
| <b>Cellular localization</b>            | Membrane.   |

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

### **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### **Terms and conditions**

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