

Datasheet for ABIN7275259

Midkine Protein (AA 21-143) (His-Avi Tag)[Go to Product page](#)**1** Image

Overview

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|-------------------------------|--|
| Quantity: | 100 µg |
| Target: | Midkine (MDK) |
| Protein Characteristics: | AA 21-143 |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This Midkine protein is labelled with His-Avi Tag. |

Product Details

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| Purpose: | Human Midkine Protein |
| Sequence: | Val21-Asp143 |
| Characteristics: | Recombinant Human Midkine Protein is expressed from E.coli with His tag and Avi Tag at the N-Terminus.It contains Val21-Asp143. |
| Purity: | > 95 % as determined by Tris-Bis PAGE |
| Sterility: | 0.22 µm filtered |
| Endotoxin Level: | Less than 1EU per µg by the LAL method. |

Target Details

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| Target: | Midkine (MDK) |
| Alternative Name: | Midkine (MDK Products) |

Target Details

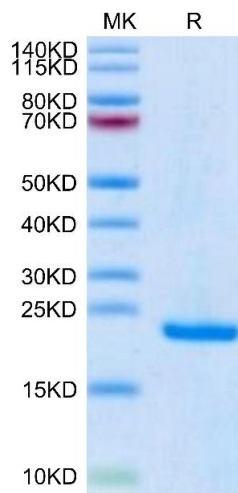
| | |
|-------------------|--|
| Background: | Midkine is a heparin-binding growth factor, originally reported as the product of a retinoic acid-responsive gene during embryogenesis, but currently viewed as a multifaceted factor contributing to both normal tissue homeostasis and disease development. Midkine is abnormally expressed at high levels in various human malignancies and acts as a mediator for the acquisition of critical hallmarks of cancer, including cell growth, survival, metastasis, migration, and angiogenesis. |
| Molecular Weight: | 16.46 kDa same as Tris-Bis PAGE result. |
| Pathways: | RTK Signaling , M Phase , Skeletal Muscle Fiber Development |

Application Details

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| Restrictions: | For Research Use only |
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Handling

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| Format: | Lyophilized |
| Reconstitution: | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water. |
| Buffer: | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization. |
| Storage: | -20 °C,-80 °C |
| Storage Comment: | -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |
| Expiry Date: | 12 months |



SDS-PAGE

Image 1. Human Midkine on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .