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Datasheet for ABIN7274879
IL1A Protein (AA 113-271)

2 Images

Overview

| | |
|--------------------------|----------------------------|
| Quantity: | 100 µg |
| Target: | IL1A |
| Protein Characteristics: | AA 113-271 |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |

Product Details

| | |
|------------------|--|
| Purpose: | Human IL-1 alpha/IL-1A Protein |
| Sequence: | Ser113-Ala271 |
| Characteristics: | Recombinant Human IL-1 alpha/IL-1A Protein is expressed from E.coli without tag.It contains Ser113-Ala271. |
| Purity: | > 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC |
| Sterility: | 0.22 µm filtered |
| Endotoxin Level: | Less than 1EU per µg by the LAL method. |

Target Details

| | |
|-------------------|---|
| Target: | IL1A |
| Alternative Name: | IL-1 alpha (IL1A Products) |
| Background: | The interleukin (IL)-1 family of cytokines is currently comprised of 11 members that have |

Target Details

pleiotropic functions in inflammation and cancer. IL-1 α and IL-1 β were the first members of the IL-1 family to be described, and both signal via the same receptor, IL-1R. Over the last decade, much progress has been made in our understanding of biogenesis of IL-1 β and its functions in human diseases.

Molecular Weight: 18 kDa same as Tris-Bis PAGE result.

NCBI Accession: [NP_000566](#)

Pathways: [NF-kappaB Signaling](#), [Autophagy](#), [Cancer Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

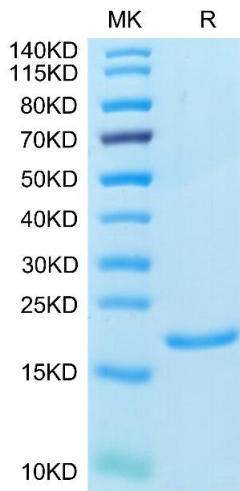
Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22 μ m filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: -20 $^{\circ}$ C,-80 $^{\circ}$ C

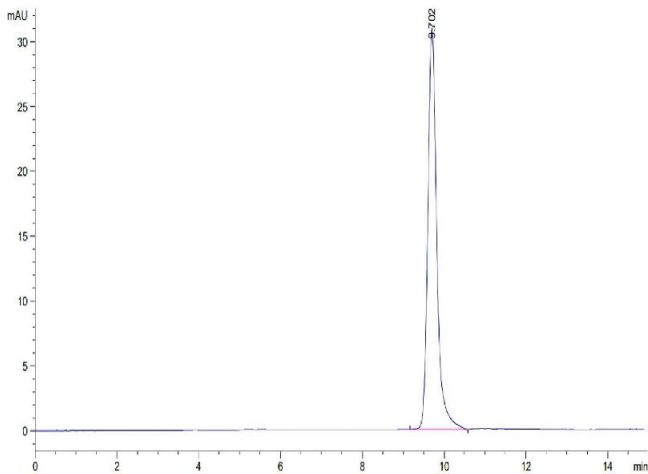
Storage Comment: -20 to -80 $^{\circ}$ C for 12 months as supplied from date of receipt.,-80 $^{\circ}$ C for 3-6 months after reconstitution.,2-8 $^{\circ}$ C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months



SDS-PAGE

Image 1. Human IL-1 alpha/IL-1A on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human IL-1 alpha/IL-1A is greater than 95 % as determined by SEC-HPLC.