# Recombinant F169A protein (His tag)

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| **Catalog Number** | 550528 |
| **Synonyms** | SLAP75; Protein FAM169A |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | Q9Y6X4 |
| **Molecular Weight** | Predictes a molecular mass of 32.21 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 34 kDa band. |

## Product Information

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| **Sequence Region** | 1-267 |
| **Form** | Lyophilized powder |
| **Formulation** | Lyophilized from sterile PBS, pH 7.4 |
| **Purity** | >90%, by SDS-PAGE with Coomassie Brilliant Blue staining. |
| **Endotoxin** | Not tested. |
| **Activity** | Not tested. |
| **Stability** | Samples are stable for up to twelve months from date of receipt at -70℃ |
| **Protein Construction** | DNA encoding 1-267 aa (Q9Y6X4) were fused with 6His tag. |

## Storage & Handling

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| **Reconstitution** | Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. |
| **Storage** | Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| **Shipping** | In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature.<br>Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise. |

## Description

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| **Description** | Recombinant Human Soluble Lamin-associated Protein of 75 kDa (SLAP75/FAM169A) Fragment (aa 1-267) - A highly stable and soluble protein fragment ideal for structural studies and biochemical characterization of this nuclear envelope-associated protein.<br>The full-length SLAP75 protein (also known as FAM169A) is localized to the nuclear envelope, specifically at the inner nuclear membrane on the nucleoplasmic side, where it is enriched at the nuclear lamina. This strategic subcellular positioning suggests SLAP75 plays important roles in nuclear organization and architecture, potentially functioning in nuclear envelope integrity, chromatin organization, or nuclear-cytoplasmic transport processes. The selected fragment (amino acids 1-267) represents a computationally optimized soluble domain that maintains structural stability while enabling detailed investigation of this lamin-associated protein's properties and interactions. |