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Recombinant Human Inhibitor of growth protein 4/ING4 Protein

Catalog No.: RP03219 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	51147	Q9UNL4-1

Tags
N-His

Synonyms
ING4; my036; p29ING4

Product Information

Source
E.coli

Purification
≥ 85 % as determined by SDS-PAGE.

Calculated MW
30.4 KDa

Observed MW
25-30 kDa

Endotoxin
Please contact us for more information.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

ING4 is similar to ING1, a tumor suppressor protein that can interact with TP53, inhibit cell growth, and induce apoptosis. ING4 contains a PHD-finger, which is a common motif in proteins involved in chromatin remodeling. ING4 protein can bind TP53 and EP3/p3, a component of the histone acetyltransferase complex, suggesting its involvement in the TP53-dependent regulatory pathway. ING4 is a component of the HBO1 complex which has a histone H4-specific acetyltransferase activity, a reduced activity toward histone H3 and is responsible for the bulk of histone H4 acetylation in vivo. Through chromatin acetylation, it may function in DNA replication. ING4 may also inhibit tumor progression by modulating the transcriptional output of signaling pathways that regulate cell proliferation.

Basic Information

Description
Recombinant Human Inhibitor of growth protein 4/ING4 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence(Met1-Lys249) of Human Inhibitor of growth protein 4 /ING4 (Accession #Q9UNL4-1) fused with His tag at the N-terminus.

Bio-Activity

Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

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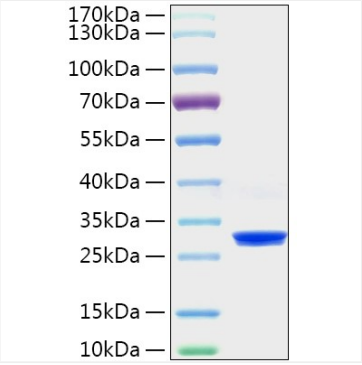
Validation Data



Recombinant Human Inhibitor of growth protein 4/ING4 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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