Recombinant Human Atrophin-1 interacting protein 4/ITCH protein

Catalog No.: RP10137LQ

Sequence Information

Species
Human

Gene ID
83737

Swiss Prot
Q96J02

Tags
NO-Tag

Synonyms
ITCH, E3 ubiquitin-protein ligase Itchy homolog, Itch, EC:2.3.2.26, Atrophin-1-interacting protein 4, AIP4, HECT-type E3 ubiquitin transferase Itchy homolog, NFE2-associated polypeptide 1, NAPP1

Product Information

Source
E. coli

Purification
≥ 90% as determined by reducing SDS-PAGE.

Calculated MW
102.67 KDa

Observed MW
100-140 kDa

Endotoxin
Please contact us for more information.

Formulation
0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Background

ITCH, also called atrophin-1 interacting protein 4 (AIP4), is a HECT-type E3 ubiquitin ligase. It contains an N-terminal Ca<sub)2+-dependent phospholipid-binding C2 domain, four WW domains, and a C-terminal HECT domain. Mice deficient in ITCH protein display many autoimmune-like disease characteristics such as lymphoproliferation in the spleen and lymph nodes. More than a dozen of substrates of ITCH have been identified including p63, p73 and Notch1. The ligase may be responsible for ubiquitinating proteins with K29-, K48-, and/or K63-linked ubiquitin chains.

Basic Information

Description
Recombinant Human Atrophin-1 interacting protein 4/ITCH protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Ser2-Glu903) of Human Atrophin-1 interacting (Accession #NP_001244066.1) fused with no tag.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

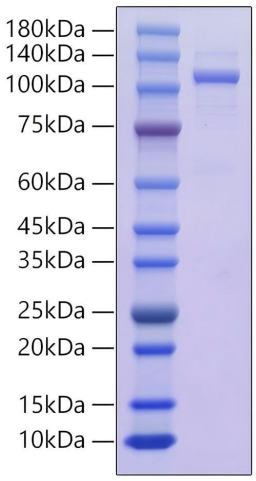
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

400-999-6126
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www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
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Validation Data



Recombinant Human Atrophin-1 interacting protein 4/ITCH protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.