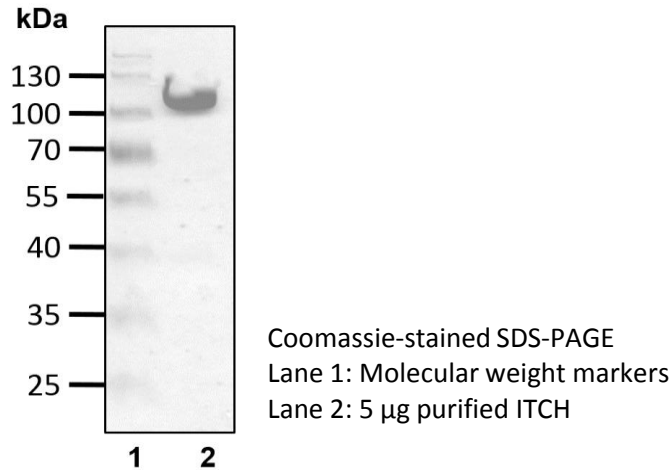


ITCH

Cat. # K1400

Also Known as: AIF4; AIP4; NAPP1; dJ468O1.1
NCBI Reference: NM_001257137
MW (no tag): 102.8 kDa
Species: Human
Source: Bacterial recombinant
Tag: No
Stock Buffer: 20 mM Tris, 150 mM NaCl, 2 mM β ME, 10% Glycerol
Concentration: See tube label
Quality Assurance: >95% by SDS-PAGE

Image



Description: ITCH, also called atrophin-1 interacting protein 4 (AIP4), is a HECT-type E3 ubiquitin ligase. It contains an N-terminal Ca^{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.

Storage: Store at -80°C ; avoid multiple freeze-thaw cycles

Note: N/A

Literature:

1. Perry WL, *et al.* (1998) Nat Genet 18, 143 – 146.
2. Schwarz SE, *et al.* (1998) J Biol Chem 273, 12148 – 12154.
3. Melino G, *et al.* (2008) Cell Death Differ 15(7), 1103 – 1112.

