

Recombinant Human ITCH protein

Cat. No. ITCH-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITCH protein was expressed in Bacterial.
Species	Human
Source	E.coli
Description	ITCH, also called atrophin-1 interacting protein 4 (AIP4), is a HECT-type E3 ubiquitin ligase. It contains an N-terminal Ca-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.
Form	20 mM Tris, 150 mM NaCl, 2 mM Bme, 10% Glycerol.
Molecular Mass	102.8 kDa
Purity	~90%
Storage	Store at -80 centigrade; avoid multiple freeze-thaw cycles.
Shipping	Dry ice shipping

GENE INFORMATION

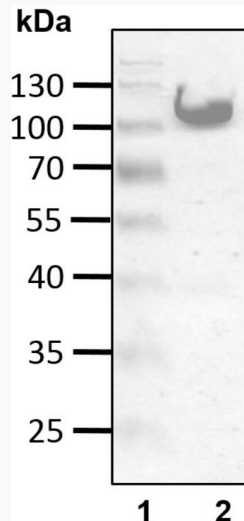
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Gene Name	ITCH itchy E3 ubiquitin protein ligase [Homo sapiens (human)]
Official Symbol	ITCH
Synonyms	AIF4; AIP4; NAPP1; dJ468O1.1
Gene ID	83737
mRNA Refseq	NM_001257137
Protein Refseq	NP_001244066
MIM	606409
UniProt ID	Q96J02

**Coomassie-stained
SDS-PAGE**



Lane 1: Molecular weight markers

Lane 2: 5 µg purified ITCH

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