

Recombinant Human ITCH protein, His-tagged

Cat. No. ITCH-7766H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITCH protein(556-903 aa), fused with N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E. coli
ProteinLength	556-903 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	TLFEDSFQQIMSFSPQDLRRRLWVIFPGEEGLDYGGVAREWFFLLSHEVLNPMYCL FEYAGKDNKYCLQINPASYINPDHLKYFRFIGRFIAMALFHGKFIDTGFSLPFYKRILNK PVGLKDLESIDPEFYNSLIWVKENNIEECDLEMYFSVDKEILGEIKSHDLKPNGGNILV TEENKEEYIRMVAEWRLSRGVVEEQTQAFFEGFNEILPQQYLQYFDAKELEVLLCGM QEIDLNDWQRHAIYRHYARTSKQIMFWQFVKEIDNEKRMRLQLFVTGTCLRPVGG FADLMGSNGPQKFCIEKVGKENWLPRSHTCFNRLDLPYKSYEQLKEKLLFAIEETE GFGQE
Purity	90%, by SDS-PAGE.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months,

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reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [ITCH itchy E3 ubiquitin protein ligase \[Homo sapiens \]](#)

Official Symbol [ITCH](#)

Synonyms

ITCH; itchy E3 ubiquitin protein ligase; itchy (mouse homolog) E3 ubiquitin protein ligase , itchy E3 ubiquitin protein ligase homolog (mouse); E3 ubiquitin-protein ligase Itchy homolog; AIP4; NFE2-associated polypeptide 1; atrophin-1 interacting protein 4; itchy E3 ubiquitin protein ligase homolog; dJ468O1.1 (atrophin 1 interacting protein 4 (AIP4)); AIF4; NAPP1; dJ468O1.1;

mRNA Refseq [NM_001257137](#)

Protein Refseq [NP_001244066](#)

MIM [606409](#)

UniProt ID [Q96J02](#)

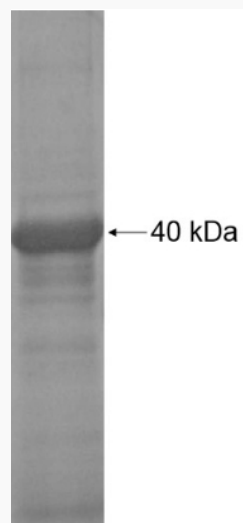
Gene ID [83737](#)

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SDS-PAGE



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