

Recombinant Human ITCH Protein, GST-tagged

Cat. No. ITCH-5004H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ITCH partial ORF (NP_113671, 92 a.a. - 190 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Atrophin-1 contains a polyglutamine repeat, expansion of which is responsible for dentatorubral and pallidoluysian atrophy. The protein encoded by this gene interacts with atrophin-1. This encoded protein is a closely related member of the NEDD4-like protein family. This family of proteins are E3 ubiquitin-ligase molecules and regulate key trafficking decisions, including targeting of proteins to proteosomes or lysosomes. This encoded protein contains four tandem WW domains and a HECT (homologous to the E6-associated protein carboxyl terminus) domain. It can act as a transcriptional corepressor of p45/NFE2 and may participate in the regulation of immune responses by modifying Notch-mediated signaling. It is highly similar to the mouse Itch protein, which has been implicated in the regulation and differentiation of erythroid and lymphoid cells. [provided by RefSeq]
Molecular Mass	36.63 kDa
AA Sequence	DVLLGTAALDIYETLKSNMKEEVVTLQLGGDKPTETIGDLSICLDGLQLESEVVT NGETTCSESASQNDGSRSKDETRVSTNGSDDPEDAGAGE
Applications	Enzyme-linked Immunoabsorbent Assay

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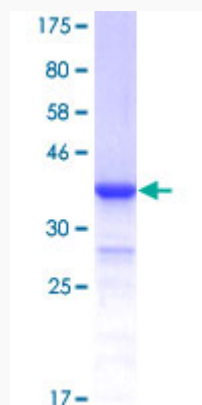
	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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;
Gene ID	83737
mRNA Refseq	NM_001257137
Protein Refseq	NP_001244066
MIM	606409
UniProt ID	Q96J02

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue

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