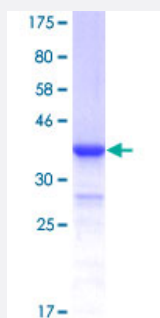


ITCH (Human) Recombinant Protein (Q01)

Catalog # H00083737-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ITCH partial ORF (NP_113671, 92 a.a. - 190 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	DVLLGTAALDIYETLKSNMKEEVVVTLLQLGGDKPTETIGDLSICLDGLQLESEVVVTNGETTCSE SASQNDDGSRSKDETRVSTNGSDDPEDAGAGE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (82); Rat (83)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ITCH

Entrez GeneID [83737](#)

GeneBank Accession# [NM_031483](#)

Protein Accession# [NP_113671](#)

Gene Name ITCH

Gene Alias AIF4, AIP4, NAPP1, dJ468O1.1

Gene Description itchy E3 ubiquitin protein ligase homolog (mouse)

Omim ID [606409](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations NFE2-associated polypeptide 1|atrophin-1 interacting protein 4|dJ468O1.1 (atrophin 1 interacting protein 4 (AIP4))|itchy homolog E3 ubiquitin protein ligase|ubiquitin protein ligase ITCH

Pathway

- [Endocytosis](#)
- [Ubiquitin mediated proteolysis](#)