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Datasheet for ABIN7504453  
**ITCH Protein (AA 485-862)**

### Overview

Quantity:	100 µg
Target:	ITCH
Protein Characteristics:	AA 485-862
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

### Product Details

Purpose:	Human ITCH Protein
Sequence:	Arg485-Glu862
Characteristics:	Recombinant Human ITCH Protein is expressed from E.coli without tag.It contains Arg485-Glu862.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 90 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

### Target Details

Target:	ITCH
Alternative Name:	ITCH ( <a href="#">ITCH Products</a> )
Background:	Itch or itchy E3 is a member of the homologous to E6-associated protein C-terminus (HECT)-

## Target Details

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type family of E3 ligases, with the protein-interacting WW-domains for the recruitment of substrate and the HECT domain for the transfer of ubiquitin to the substrate, and its deletion results in an itchy phenotype with constant skin scratching and multi-organ inflammation.

Molecular Weight: 44.98 kDa same as Tris-Bis PAGE result.

NCBI Accession: [NP\\_113671](#)

Pathways: [Activation of Innate immune Response](#), [CXCR4-mediated Signaling Events](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22 µm filtered solution in PBS, 200 mM L-Arginine (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months