Human ITCH Protein

Cat. No. ITH-HE001

Description

Source	Recombinant Human ITCH Protein is expressed from E.coli without tag.
	It contains Arg485-Glu862.
Accession	NP_113671.3
Molecular Weight	The protein has a predicted MW of 44.98 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 90% as determined by HPLC

Formulation and Storage

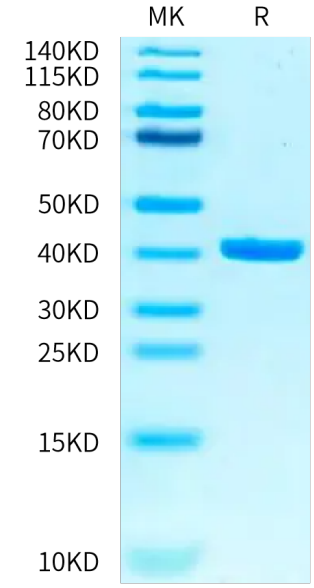
Formulation	Lyophilized from 0.22 μm filtered solution in PBS, 200mM L-Arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Itch or itchy E3 is a member of the homologous to E6-associated protein C-terminus (HECT)-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.

Assay Data

Bis-Tris PAGE



Human ITCH on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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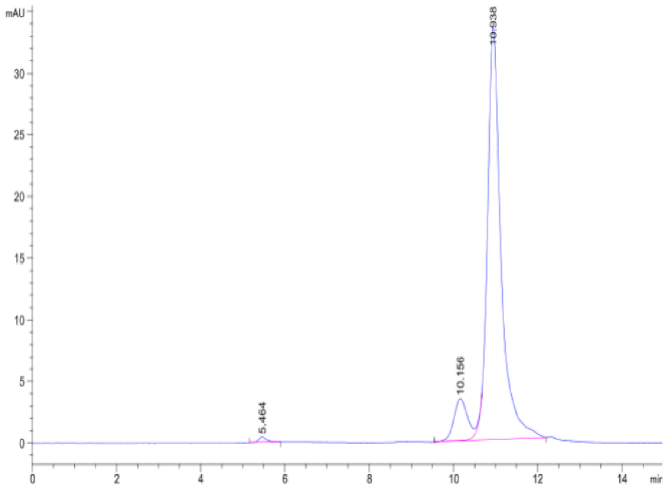
Assay Data



The purity of Human ITCH is greater than 90% as determined by SEC-HPLC.