



# RNF11, Recombinant, Human, aa2-154, His-Tag (RING Finger Protein 11)

## Catalog number

375073

## Supplier

United States Biological

Essential component of a ubiquitin-editing protein complex, comprising also TNFAIP3, ITCH and TAX1BP1, that ensures the transient nature of inflammatory signaling pathways. Promotes the association of TNFAIP3 to RIPK1 after TNF stimulation. TNFAIP3 deubiquitinates 'Lys-63' polyubiquitin chains on RIPK1 and catalyzes the formation of 'Lys-48'-polyubiquitin chains. This leads to RIPK1 proteasomal degradation and consequently termination of the TNF- or LPS-mediated activation of NF-kappa-B. Recruits STAMPB to the E3 ubiquitin-ligase SMURF2 for ubiquitination, leading to its degradation by the 26S proteasome.

## Source

Recombinant protein corresponding to aa2-154 from human RNF11, fused to His-Tag at N-terminal, expressed in Yeast.

## Molecular Weight

~19.3kD

## AA Sequence

GNCLKSPTSDDISLLHESQSDRASFGEGTEPDQEPPIYQEQVVPVYHPTPSQTRLATQLTEEEQIRIAQRIGLIQHL  
PKGVDYDPGRDGSEKKIRECVICMMDFVYGDPIRFLPCMHIYHLDCIDDWLMRSFTCPSCMEPVDAALLSSYETN

## Storage and Stability

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

## Formulation

Supplied as a liquid in Tris-HCl, pH 8.0, 1mM EDTA, 50% glycerol.

## Purity

≥90% (SDS-PAGE)

## Grade

Purified

## Storage

-20°C

## MW

19.3



## Antigen Modification

Recombinant, Yeast

### Reference

1. "An RNF11: Smurf2 complex mediates ubiquitination of the AMSH protein." Li H., Seth A.K. Oncogene 23:1801-1808(2004).