

## ZNRF3 Protein, Human, Recombinant (His & SUMO)

### General Information

Synonyms:	RING-type E3 ubiquitin transferase ZNRF3;RING finger protein 203;KIAA1133;Zinc/RING finger protein 3;E3 ubiquitin-protein ligase ZNRF3;ZNRF3;RNF203
Protein Construction:	56-219 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q9ULT6
Molecular Weight:	34.2 kDa (predicted)
AA Sequence:	KETAFVEVVLFESSPSGDYTTYTTGLTGRFSRAGATLSAEGEIVQMHPLGLCNNDEEDLYEYGWVGWVKLEQ PELDPKPCLTVLGKAKRAVQRGATAVIFDVSENPEAIDQLNQGSSEPLKRPVVYVKGADAIKLMNIVNKQKVA RARIQHRPPRQPTEYFDM

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

### Preparation and Storage

#### Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

E3 ubiquitin-protein ligase that acts as a negative regulator of the Wnt signaling pathway by mediating the ubiquitination and subsequent degradation of Wnt receptor complex components Frizzled and LRP6. Acts on both canonical and non-canonical Wnt signaling pathway. Acts as a tumor suppressor in the intestinal stem cell zone by inhibiting the Wnt signaling pathway, thereby restricting the size of the intestinal stem cell zone. Along with

RSPO2 and RNF43, constitutes a master switch that governs limb specification.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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