

# Recombinant Human LRIG3 protein (rFc Tag)

Catalog Number: Eg2853

## Basic Information

**Species:**  
Human**Purity:**  
>90 %, SDS-PAGE**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**

&gt;90 %, SDS-PAGE

**Endotoxin Level:**

&lt;0.1 EU/ µg protein, LAL method

**Source:**

HEK293-derived Human LRIG3 protein Asp28-Thr807 (Accession# Q6UXM1-1) with a rabbit Fc tag at the C-terminus.

**GeneID:**

121227

**Accession:**

Q6UXM1-1

**Predicted Molecular Mass:**

112.6 kDa

**SDS-PAGE:**

112-120 kDa, reducing (R) conditions

**Formulation:**

Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

LRIG3, or leucine-rich repeats and immunoglobulin-like domains 3, is a member of the LRIG family of transmembrane proteins. LRIG3 is known to play a role in the regulation of growth factor receptor signaling, which includes receptor tyrosine and serine/threonine kinases. LRIG3 has been implicated in various biological processes, including the regulation of tumor growth and angiogenesis. It has been reported that LRIG3 can act as a tumor suppressor in glioblastoma multiforme (GBM), where it modulates the proliferation, migration, and invasion of glioma cells by targeting the EGFR and MET signaling pathways.

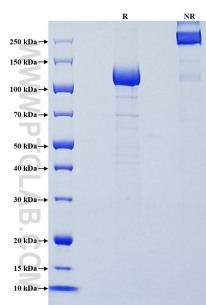
## References

1. Simion C, et al. (2014). Endocr Relat Cancer. 21(6):R431-43.
2. Peng C, et al. (2021). Front Oncol.11:621154.

## Synonyms

LRIG3, KIAA3016, LIG 3, LIG3

## Selected Validation Data



Purity of Recombinant Human LRIG3 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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