

## LRIG1 Protein, Human (HEK293, His)

Cat. No.:	HY-P77988
Synonyms:	LIG-1; LIG1; LRIG1; D6Bwg0781e; lmg
Species:	Human
Source:	HEK293
Accession:	Q96JA1 (A35-S779)
Gene ID:	26018
Molecular Weight:	85-105 kDa

### PROPERTIES

Biological Activity	Immobilized Human LRIG1, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-LRIG1 Antibody, hFc Tag with the EC <sub>50</sub> of 5.3ng/ml determined by ELISA.
Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM MES, 150 mM NaCl, 1 mM EDTA, pH 5.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	LRIG1 protein functions as a feedback negative regulator in receptor tyrosine kinase signaling pathways, employing a mechanism that enhances receptor ubiquitination and expedites intracellular degradation. It interacts with various receptor tyrosine kinases, including EGFR/ERBB1, ERBB2, ERBB3, and ERBB4, through its extracellular leucine-rich repeat (LRR) and immunoglobulin-like domains. However, the physiological relevance of these interactions is subject to controversy, as LRIG1 may exhibit low affinity for EGFR, and the interaction may occur only under conditions of elevated levels of both LRIG1 and the respective receptor tyrosine kinase proteins.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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