

## LRIG1 Protein, Mouse (HEK293, His)

<b>Cat. No.:</b>	HY-P70398
<b>Synonyms:</b>	rMuLeucine-rich repeats and immunoglobulin-like domains protein 1/LRIG1, His; Leucine-rich repeats and immunoglobulin-like domains protein 1; LIG-1; Lrig1
<b>Species:</b>	Mouse
<b>Source:</b>	HEK293
<b>Accession:</b>	P70193 (A35-T794)
<b>Gene ID:</b>	16206
<b>Molecular Weight:</b>	Approximately 94.0 kDa

### PROPERTIES

#### AA Sequence

AQAGPRAPCA	AACTCAGDSL	DCSGRGLATL	PRDLPSWTRS
LNLSYNRLSE	IDSAAFEDLT	NLQEVYLNNS	ELTAIPSLGA
ASIGVVSFLF	QHNKILSVDG	SQLKSYLSLE	VLDLSSNNIT
EIRSSCFPNG	LRIRELNLAS	NRISILESGA	FDGLSRSLLT
LRLSKNRITQ	LPVKAFKLPR	LTQLDLNRNR	IRLIEGLTFQ
GLDSLVLRL	QRNNISRLTD	GAFWGLSKMH	VLHLEYNSLV
EVNSGSLYGL	TALHQLHLSN	NSISRIQRDG	WSFCQKLHEL
ILSFNNLTRL	DEESLAELSS	LSILRLSHNA	ISHIAEGAFK
GLKSLRVLDL	DHNEISGTIE	DTSGAFTGLD	NLSKLTTLFGN
KIKSVAKRAF	SGLESLEHLN	LGENAIRSVQ	FDAFAKMKNL
KELYISSESF	LCDCQLKWLP	PWLMGRMLQA	FVTATCAHPE
SLKGQSI FSV	LPDSFVCDDF	PKPQIITQPE	TTMAVVGKDI
RFTCSAASSS	SSPMTFAWKK	DNEVLANADM	ENFAHVRAQD
GEVMEYTTIL	HLRHVTFGHE	GRYQCIITNH	FGSTYSHKAR
LTVNVLPSTF	KIPHDIAIRT	GTTARLECAA	TGHPNPQIAW
QKDGGTDFPA	ARERRMHVMP	DDDVFFITDV	KIDDMGVYSC
TAQNSAGSVS	ANATLTVLET	PSLAVPLEDR	VVTVGETVAF
QCKATGSPTP	RITWLKGGRP	LSLTERHHFT	PGNQLLVVQN
VMIDDAGRYT	CEMSNPLGTE	RAHSQLSILP	TPGCRKDGTT

**Appearance** Lyophilized powder.

**Formulation** Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

**Endotoxin Level** <1 EU/µg, determined by LAL method.

**Reconstitution** It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH<sub>2</sub>O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

**Storage & Stability** Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

**Shipping**

Room temperature in continental US; may vary elsewhere.

**DESCRIPTION****Background**

LRIG1 Protein acts as a feedback negative regulator of signaling by receptor tyrosine kinases, enhancing receptor ubiquitination and accelerating intracellular degradation. It interacts with EGFR/ERBB1, ERBB2, ERBB3, and ERBB4 through its extracellular LRR and Ig-like domains. The physiological relevance of this interaction is controversial, as LRIG1 may have low affinity for EGFR and the interaction may only occur when both proteins are present at high levels.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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