

Recombinant mouse LRIG1 protein

Catalog Number: ATGP3937

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

35-796aa

UniProt No.

P70193

NCBI Accession No.

NP_032403

Alternative Names

LIG-1, LIG1, leucine-rich repeats and immunoglobulin like domains 1, leucine rich repeats and immunoglobulin like domains 1, D6Bwg0781e, lmg

PRODUCT SPECIFICATION

Molecular Weight

84.8kDa (770aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

LRIG1, also known as leucine-rich repeats and immunoglobulin-like domains 1 is a pan-negative regulator of the epidermal growth factor receptor (EGFR) signaling pathway. In studies with ErbB family members and Met kinase, LRIG regulates signaling by increasing ubiquitination and lysosomal degradation of the receptors. It

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functions as a tumor suppressor by controlling cell proliferation through the negative regulation of the EGF family of receptor tyrosine kinases. This protein expression, which is often dysregulated in human cancers, is a prognostic indicator of cancer development and relapse. Recombinant mouse LRIG1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

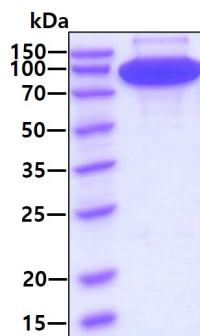
AQAGPRAPCA AACTCAGDSL DCSGRGLATL PRDLPSWTRS LNLSYNRLSE IDSAAFEDLT NLQEVYLNLSN ELTAIPSLGA ASIGVVSLFL QHNKILSVDG SQLKSYLSLE VLDLSSNNIT EIRSSCFPNG LRIRELNLAS NRISILESGA FDGLSRSLT LRLSKNRITQ LPVKAFKLPR LTQLDLNRNR IRLIEGLTFQ GLDSLEVLRL QRNNISRLTD GAFWGLSKMH VLHLEYNSLV EVNSGSLYGL TALHQLHLSN NSISRIQRDG WSFCQKLHEL ILSFNNLTRL DEESLAEISS LSILRLSHNA ISHIAEGAFK GLKSLRVLDL DHNEISGTIE DTSGAFTGLD NLSKLTFLGN KIKSVAKRAF SGLESLEHLN LGENAIRSVQ FDAFAKMKNL KELYISSESF LCDCQLKWLP PWLMGRMLQA FVTATCAHPE SLKGQSIFSV LPDSFVCDDF PKPQIITQPE TTMAVVGKDI RFTCSAASSS SSPMTFAWKK DNEVLNADM ENFAHVRAQD GEVMEYTTIL HLRHVTFGHE GRYQCIITNH FGSTYSHKAR LTVNVLPSFT KIPHDIAIRT GTTARLECAA TGHPNPQIAW QKDGGTDFPA ARERRMHVMP DDDVFFITDV KIDDMGVYSC TAQNSAGSVS ANATLTVLET PSLAVPLEDR VVTVGETVAF QCKATGSPTP RITWLKGGRP LSLTERHHFT PGNQLLVVQN VMIDDAGRYT CEMSNPLGTE RAHSQLSILP TPGCRKDGTT VG<VEHHHHHH>

General References

- JonasNilsson., et al, (2001) Biochem Biophys Res Commun. 284:1155-1161.
- Gal Gur., et al, (2004) EMBO J. 23:3270-3281.
- Xi Zhang., et al, (2015) Cell Stress Chaperones. 20:631-641.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain