

Recombinant human FAM84B/LRATD2 protein

Catalog Number: ATGP2442

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-310aa

UniProt No.

Q96KN1

NCBI Accession No.

NP_777571

Alternative Names

LRAT domain containing 2, Family with sequence similarity 84 member B, BCMP101, NSE2, Breast cancer membrane-associated protein 101, Neurological/sensory 2

PRODUCT SPECIFICATION

Molecular Weight

36.9 kDa (333aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.15M NaCl, 1mM DTT, 0.1mM PMSF

Purity

> 85% by SDS-PAGE

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

FAM84B, as known as Family with sequence similarity 84, member B, coprecipitated with a downstream effector of RAS, CRAF. Binding of FAM83B with CRAF disrupted CRAF/14-3-3 interactions and increased CRAF membrane localization, resulting in elevated MAPK and mammalian target of rapamycin (mTOR) signaling. It is an oncogene and potentially represents a new target for therapeutic intervention. Recombinant human FAM84B protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Recombinant human FAM84B/LRATD2 protein

Catalog Number: ATGP2442

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MGNQVEK LTHLSYKEVP TADPTGVDRD DGPRIGVSYI FSNDDEDVEP
QPPPQGPDDG GLPDGGDGPP PPQPQPYDPR LHEVECSVFY RDECIYQKSF APGSAALSTY TPENLLNKCK PGDLVEFVSQ
AQYPHWAVYV GNFQVVHLHR LEVINSFLTD ASQGRRGRVV NDLYRYKPLS SSAVVRNALA HVGAKERELS WRNSESFAAW
CRYGKREFKI GGELRIGKQP YRLQIQLSAQ RSHTLEFQSL EDLIMEKRRN DQIGRAAVLQ ELATHLHPAE PEEGDSNVAR
TTPPPGRPPA PSSEEDGEA VAH

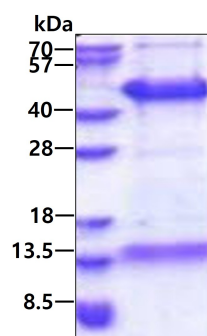
General References

Kraja AT. et al. (2013) Lipids. 48:155-165

Camps J. et al. (2009) Genes Chromosomes Cancer. 48:1002-1017.

DATA

SDS-PAGE



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