Recombinant human ANKRD54 protein

Catalog Number: ATGP2122

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-300aa

UniProt No.
Q6NXT1

NCBI Accession No.
NP_620152

Alternative Names
Ankyrin repeat domain-containing protein 54, LIAR, Ankyrin repeat domain containing protein 54

PRODUCT SPECIFICATION

Molecular Weight
34.9 kDa (323aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

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

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
ANKRD54, also known as LIAR, contains 4 ANK repeats. This protein plays an important role in regulating intracellular signaling events associated with erythroid terminal differentiation. This protein interacts (via ankyrin repeat region) with LYN (via SH3-domain) in an activation-independent status of LYN. It forms a multiprotein complex with LYN and HCLS1. ANKRD54 also interacts with TSN2, VAV1, DBNL AND LASP1. Recombinant human ANKRD54 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

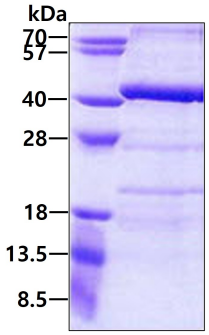
<MGSSHHHHHH SSGLVPRGSH MGS>MAAAAGD ADDEPRSGHS SSEGECAVAP EPLTDAEGLF SFADFGSALG GGGAGLSGRA SGGAQSPLRY LHVLWQQDAE PRDELRCKIP AGRLRRAARP HRRLGPTGKE VHALKRLRDS ANANDVETVQ QLLEDGADPC AADDKGRTAL HFASCNGNDQ IVQLLLDHGA DPNQRDGLGN TPLHLAACTN HVPVITTLLR GGARVDALDR AGRTPLHLAK SKLNILQEGH AQCLEAVRLE VKQIIHMLRE YLERLGQHEQ RERLDDLCTR LQMTSTKEQV DEVTDLLASF TSLSLQMQSM EKR

General References

Gustafsson,M.O., et al. (2012) Mol. Cell. Biol. 32 (13), 2440-2453
Olsen,J.V., et al. (2006) Cell 127 (3), 635-648

DATA

SDS-PAGE



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