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## Product Data Sheet

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Product Name: ANKRD54 Human  
 Cat. No.: GP22722  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	LIAR; Lyn-interacting ankyrin repeat protein.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAAAAGD ADDEPRSGHS SSEGECVAVAP EPLTDAEGLF SFADFGSALG GGGAGLSGRA SGGAQSPRLRY LHWLWQQDAE PRDELRCRIP AGRLRRAARP HRRLGPTGKE VHALKRLRDS ANANDVETVQ QLLEDGADPC AADDKGRTAL HFASCNGNDQ IVQLLLDHGA DPNQRDGLGN TPLHLAACTN HVPVITLLR GGARVDALDR AGRTPLHLAK SKLNILQEGH AQCLEAVRLE VKQIIHMLRE YLERLGQHEQ RERLDDLCTR LQMTSTKEQV DEVTDLLASF TSLSLQMOSM EKR.		
Formulation	ANKRD54 protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer, (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.		

### Introduction

Ankyrin Repeat Domain 54 (ANKRD54), which is also known as LIAR contains 4 ANK repeats. ANKRD54 plays a vital role in regulating intracellular signaling events related with erythroid terminal differentiation. ANKRD54 interacts with LYN through ankyrin repeat region and the SH3-domain in an activation-independent status of LYN. ANKRD54 creates a multiprotein complex with LYN and HCLS1.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

ANKRD54 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 323 amino acids (1-300 a.a.) and having a molecular mass

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

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of 34.9kDa. ANKRD54 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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