
Product Data Sheet

Product Name: RCN3 Human
 Cat. No.: GP24360
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Reticulocalbin-3; EF-hand calcium-binding protein RLP49; RCN3; RLP49.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHMKPSPD AGPHGQGRVH QAAPLSDAPH DDAHGNFQYD HEAFLGREVA KEFDQLTPEE SQARLGRIVD RMDRAGDGDG WVSLAELRAW IAHTQQRHIR DSVSAAWDTY DTDRDGRVGV EELRNATYGH YAPGEEFHDV EDAETYKKML ARDERRFRVA DQDGDSMATR EELTAFLHPE EFPHMRDIVI AETLEDLDRN KDG YVQVEEY IADLYSAEPG EEPAAWVQTE RQQFRDFRDL NKDGHLDGSE VGHWVLPAPQ DQPLVEANHL LHESDTRDKDG RLSKAEILGN WNMFGVGSQAT NYGEDLTRHH DEL.		
Formulation	RCN3 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 0.1M NaCl.		

Introduction

Reticulocalbin 3 (RCN3) belongs to the CREC (cab45/reticulocalbin/ ERC45/calumenin) family. RCN3 contains 5 Arg-Xaa-Xaa-Arg motifs, which function as target sequences of SPCs (subtilisin-like proprotein convertases), which is a family of serine endoproteases that proteolytically activate proproteins. The synthesis of PACE4 is induced by association and coexpression with RCN3.

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

RCN3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 333 amino acids (21-328 a.a) and having a molecular mass of

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37.9kDa.RCN3 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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