

RCN2 Protein, Human, Recombinant (His)

General Information

Synonyms:	Reticulocalbin-2;ERC55;RCN2;E6BP
Protein Construction:	Gly23-Leu317
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q14257
Molecular Weight:	50-55 kDa (reducing condition)
AA Sequence:	Gly23-Leu317

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of 20 mM Tris-HCl, 10% Glycerol, 1 mM DTT, pH 8.0.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

Reticulocalbin-2 (RCN2, also named as ERC-55), is a 55-kDa Ca²⁺-binding protein containing six EF-hands, which was identified to be localized in endoplasmic reticulum. RCN2 is belonging to Reticulocalbin (RCN) family, the family members could play oncogenic roles in human malignancies and facilitate tumor cell proliferation and metastasis. Recently, studies on RCN2 functions mainly focused on its role in differentiation and endocrine regulation in mouse. Another study has suggested that RCN2 could be a potential tumor-associated antigen for mammary cancer immunological prevention. Up to now, the experimental evidence uncovering the role of RCN2 in cancer is very limited.

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