

**Recombinant Mouse RCN3 Protein (His Tag)**

**Cat.NO.: TP06599**

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3th Edition

**Synonyms:**6030455P07Rik;D530026G20Rik;D7Ert671e;RLP49

**Description:**RCN3 belongs to the CREC family which contains multiple EF-hand Ca<sup>2+</sup>-binding proteins localized to the secretory pathway. RCN3 sequence is characterized by the presence of five Arg-Xaa-Xaa-Arg motifs, which represents the target sequence of subtilisin-like proprotein convertases(SPCs). SPCs are a family of seven structurally related serine endoproteases that are involved in the proteolytic activation of proproteins.RCN3 is transiently associated with proPACE4, but not with mature PACE4. Inhibition of PACE4 maturation by a Ca<sup>2+</sup> ionophore resulted in accumulation of the proPACE4-RCN-3 complex in cells. It has been proposed that elective and transient association of RCN3 with the precursor of PACE4 plays an important role in the biosynthesis of PACE4.

**Form:**PBS

**Molecular Weight:**36.9 kDa

**Sequences:**Met1-Leu328

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.