

Recombinant Mouse CCDC47 Protein, His-tagged

Cat. No. Ccdc47-309M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ccdc47 (NP_080285.2) (Met1-Ser135) was expressed with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Ser135
Description	CCDC47 gene is expressed at high level. The gene contains 16 distinct gt-ag introns. Transcription produces 9 different mRNAs, 6 alternatively spliced variants and 3 unspliced forms. There are 3 probable alternative promoters, 3 non overlapping alternative last exons and 8 validated alternative polyadenylation sites. The mRNAs appear to differ by truncation of the 5' end, truncation of the 3' end, presence or absence of a cassette exon, overlapping exons with different boundaries. Functionally, CCDC47 gene has been proposed to participate in pr centigradeesses such as calcium ion homeostasis, embryo development, ER overload response and post-embryonic development. CCDC47 are expected to have molecular function (calcium ion binding) and to I centigradealize in various compartments (membrane, endoplasmic reticulum, integral to membrane, microsome).
Predicted N Terminal	Lys 21
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 %- 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

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Molecular Mass	The recombinant mouse Ccdc47 consists of 126 amino acids and predicts a molecular mass of 14.7 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -70 centigrade. Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Ccdc47 coiled-coil domain containing 47 [<i>Mus musculus</i>]
Official Symbol	Ccdc47
Synonyms	CCDC47; coiled-coil domain containing 47; coiled-coil domain-containing protein 47; adipocyte-specific protein 4; asp4; C88307; calumin; 2610204L23Rik; RP23-81G14.10;
Gene ID	67163
mRNA Refseq	NM_026009
Protein Refseq	NP_080285

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