

Human CCDC134 Protein (His Tag)

Catalog Number: 13168-H08H



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

2310042L06Rik; AW208859

Protein Construction:

A DNA sequence encoding the human CCDC134 (Q9H6E4) (Met 1-Leu 229) was fused with a polyhistidine tag at the C-terminus.

Source: Human

Expression Host: Human Cells

QC Testing

Purity: > 98 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Thr 23

Molecular Mass:

The secreted recombinant human CCDC134 consists of 218 amino acids and has a predicted molecular mass of 25.7 kDa. The apparent molecular mass of rhCCDC134 is approximately 33 kDa in SDS-PAGE under reducing conditions due to glycosylation.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

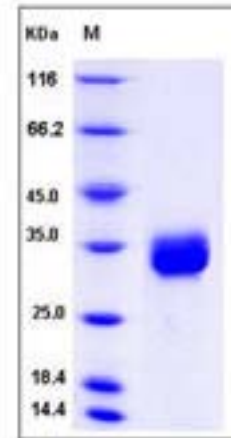
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

Human coiled-coil domain containing 134 (CCDC134) is a 229 amino acids secretory protein. Coiled-coil domain is a motif in which alpha-helix are coiled together. It has been found in many types of proteins, including transcription factors, intermediate filaments and certain tRNA synthetases. Many proteins containing such motif CCDC134 are involved in important biological functions. CCDC134 is also considered as a novel human MAPK-regulating protein that can inhibit the MAPK pathway. This protein significantly inhibits Elk1 transcriptional activity. The coiled-coil domain is a ubiquitous protein motif that is often involved in oligomerization.

References

1. Huang J, et al. (2007) CCDC134, a novel secretory protein, inhibits activation of ERK and JNK, but not p38 MAPK. *Cellular and Molecular Life Sciences*. 65(2): 338-49.
2. Kim S, et al. (2011) Genome-wide association study of CSF biomarkers Abeta1-42, t-tau, and p-tau181p in the ADNI cohort. *Neurology*. 76(1): 69-79.

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