

Recombinant human CEND1 protein

Catalog Number: ATGP2494

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-125aa

UniProt No.

Q8N111

NCBI Accession No.

NP_057648

Alternative Names

Cell cycle exit and neuronal differentiation protein 1, Cell cycle exit and neuronal differentiation protein 1, BM88

PRODUCT SPECIFICATION

Molecular Weight

15kDa (148aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CEND1, as known as BM88, is a neuron-specific protein. It participates in cell cycle control and neuronal differentiation mechanisms during neonatal SVZ neurogenesis and becomes crucial for the transition from neuroblasts to mature neurons when reaching high levels. The similar protein in pig enhances neuroblastoma cell differentiation in vitro and may be involved in neuronal differentiation in vivo. Recombinant human CEND1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

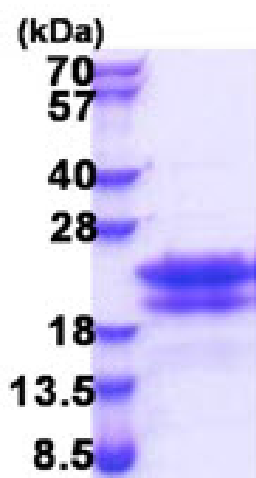
MGSSHHHHHH SGLVPRGSH MGSME SRGKS ASSPKPDTKV PQVTTEAKVP PAADGKAPLT KPSKKEAPE KQPPAAPT
APAKKTSKA DPALLNNHSN LKPAPTVPSS PDATPEPKGP GDGAEDEEA SGGPGGRGPW SCENFNPL

General References

Makri G. et al. (2010) Stem Cells. 28:127-139
Katsimpardi L. et al. (2008) Stem Cells. 26:1796-1807.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)