

AR51314PU-N

Human CEND1 (1-125, His-tag) - Purified

Alternate names:

BM88, Cell cycle exit and neuronal differentiation protein 1

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by BCA assay)

Background:

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.

Uniprot ID:

[Q8N111](#)

NCBI:

[NP_057648](#)

GeneID:

[51286](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol

Description:

Recombinant human CEND1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

AA Sequence:

MGSSHHHHHH SGLVPRGSH MGSMSRGKS ASSPKPDTKV PQVTTEAKVP PAADGKAPLT
KPSKKEAPE KQPPAAPTT APAKTSKA DPALLNHSN LKPAPTVPSS PDATPEPKGP
GDGAEEDEAA SGGPGGRGPW SCENFNPL

Molecular weight: 15.0 kDa (148aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Makri G. et al. (2010) Stem Cells. 28:127-139

Katsimpardi L. et al. (2008) Stem Cells. 26:1796-1807.

Pictures:

