

Recombinant human NHLH2 protein

Catalog Number: ATGP2130

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-135aa

UniProt No.

Q02577

NCBI Accession No.

NP_001104531

Alternative Names

helix-loop-helix protein 2, nescient helix loop helix 2, bHLHa34; HEN2; NSCL2

PRODUCT SPECIFICATION

Molecular Weight

17.4 kDa (158aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 0.2M NaCl, 50% glycerol, 5mM DTT

Purity

> 90% 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

NHLH2 is a member of the basic helix-loop-helix (bHLH) transcription factor family and is expressed in developing and adult neuroendocrine tissues such as the pituitary and hypothalamus. Recombinant human NHLH2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMLSPDQ AADSDHPSSA HSDPESLGGT DTKVLGSVSD LEPVEEAEGD

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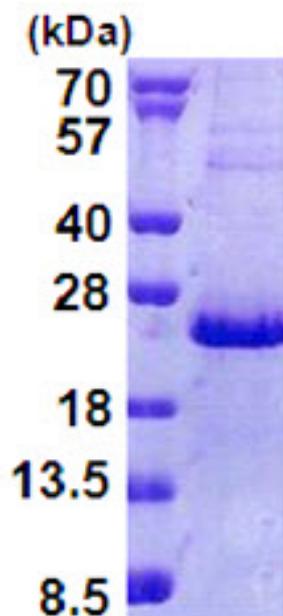
GKGGsRAALY PHPQQLSREE KRRRRRATAK YRSAHATRER IRVEAFNLAF AELRKLLPTL PDKKLSKIE ILRLAICYIS YLNHVLDV

General References

Johnson SA, Marin-Bivens CL, et al. Hormones and behavior. 2004 Nov;46(4):420-7

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)