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Recombinant human NHLH1 protein

Catalog Number: ATGP2200

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-133aa

UniProt No.
Q02575

NCBI Accession No.
NP_005589

Alternative Names
Nescient helix loop helix 1, bHLHa35, HEN1, NSCL, NSCL1

PRODUCT SPECIFICATION

Molecular Weight
17 kDa (156aa) 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 8.0) containing 0.2M NaCl, 40% glycerol, 2mM DTT

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
The helix-loop-helix (HLH) proteins are a family of putative transcription factors, some of which have been shown to play an important role in growth and development of a wide variety of tissues and species. NHLH1 may serve as DNA-binding protein and may be involved in the control of cell-type determination, possibly within the developing nervous system. Recombinant human NHLH1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

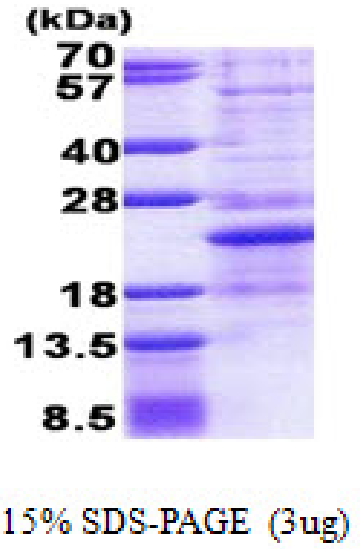
MGSSHHHHHH SSGLVPRGSH MGSMMLNSDT MELDLPPTHS ETESGFSDCG GGAGPDGAGP GGPGGGQARG PEPGEPGRKD LQHLSREERR RRRRATAKYR TAHATRERIR VEAFNLAFAE LRKLLPTLPP DKKLSKIEIL RLAICYISYL NHVLDV

General References

Brown L., et al. (1992) Proc. Natl. Acad. Sci. u.S.A. 89:8492-8496
Lipkowitz S., et al. (1992) J. Biol. Chem. 267:21065-21071

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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