

Product datasheet

Recombinant Human Hes1 protein ab112302

1 图像

概述

产品名称	重组人Hes1蛋白
蛋白长度	Protein fragment

描述

性质	Recombinant
来源	Wheat germ

氨基酸序列

Accession	Q14469
种属	Human
序列	APCKLGSQAGEAAKVFGGFQVVPAPDGQFAFLIPNGAFAHSGPVIIPVYTS NSGTSVGPNAVSPSSGPSLTADSMWRPWRN
分子量	35 kDa including tags
氨基酸	201 to 280
标签	GST tag N-Terminus

技术指标

Our [Abpromise guarantee](#) covers the use of **ab112302** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

生物活性	useful for Antibody Production and Protein Array
应用	ELISA SDS-PAGE Western blot
形式	Liquid
补充说明	Best use within three months from the date of receipt of this protein.useful for Antibody Production and Protein Array

制备和贮存

稳定性和存储

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.79% Tris HCl, 0.31% Glutathione

Note: Glutathione is reduced

常规信息

功能

Transcriptional repressor of genes that require a bHLH protein for their transcription. May act as a negative regulator of myogenesis by inhibiting the functions of MYOD1 and ASH1. Binds DNA on N-box motifs: 5'-CACNAG-3' with high affinity and on E-box motifs: 5'-CANNTG-3' with low affinity.

序列相似性

Contains 1 basic helix-loop-helix (bHLH) domain.

Contains 1 Orange domain.

结构域

Has a particular type of basic domain (presence of a helix-interrupting proline) that binds to the N-box (CACNAG), rather than the canonical E-box (CANNTG).

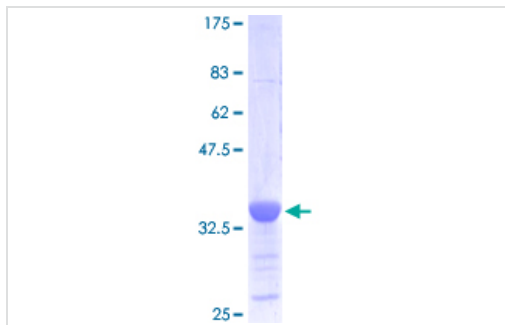
The C-terminal WRPW motif is a transcriptional repression domain necessary for the interaction with Groucho/TLE family members, transcriptional corepressors recruited to specific target DNA by Hairy-related proteins.

The bHLH, as well as cooperation between the central Orange domain and the C-terminal WRPW motif, is required for transcriptional repressor activity.

细胞定位

Nucleus.

图片



SDS-PAGE - Hes1 protein (ab112302)

112302 analysed on a 12.5% SDS-PAGE stained with Coomassie Blue.

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