

Product datasheet

Recombinant Human Hes1 protein ab114192

1 Image

Description

Product name	Recombinant Human Hes1 protein	
Expression system	Wheat germ	
Accession	Q14469	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	KSSKPIMEKRRRRARINESLSQLKTLILDALKKDSSRHSKLE KADILEMTV KHLRNLQRAQMTAALSTDPSVLGKYRAGFSECMNEVTRF LSTCEGVNTEV RTRLLGH	
Predicted molecular weight	37 kDa including tags	
Amino acids	36 to 142	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab114192** in the following tested applications.

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

Applications	SDS-PAGE
	Western blot
	ELISA
Form	Liquid

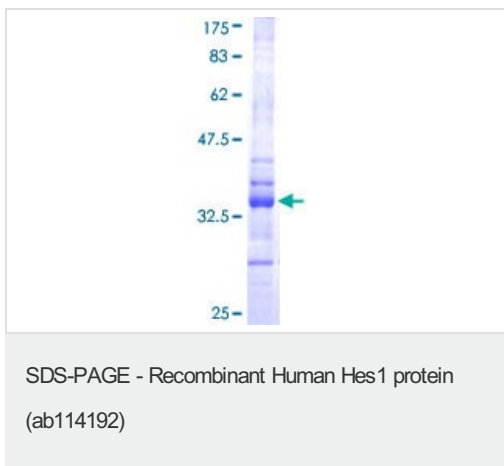
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.79% Tris HCl, 0.3% Glutathione
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General Info

Function	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.
Sequence similarities	Contains 1 basic helix-loop-helix (bHLH) domain. Contains 1 Orange domain.
Domain	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.
Cellular localization	Nucleus.

Images



ab114192 analysed on a 12.5% SDS-PAGE gel stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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