

Recombinant Full Length Human HES1 Protein, C-Flag-tagged

Cat. No. HES1-1831HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HES1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This protein belongs to the basic helix-loop-helix family of transcription factors. It is a transcriptional repressor of genes that require a bHLH protein for their transcription. The protein has a particular type of basic domain that contains a helix interrupting protein that binds to the N-box rather than the canonical E-box.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	29.4 kDa
AA Sequence	MPADIMEKNSSSPVAATPASVNTTPDKPKTASEHRKSSKPIMEKRRRRARINESLSQL KTLILDALKKDSS RHSKLEKADILEMTVKHLRNLQRAQMTAALSTDPSVLGKYRAGF SECMNEVTRFLSTCEGVNTEVRTRLL GHLANCMTQINAMTYPGQPHPALQAPPPP PPGPGGPQHAPFAPPPPLVPIPGGAAPPPGGAPCKLGSQAG EAAKVFGGFQVVPA PDGQFAFLIPNGAFAHSGPVIPVYTSNSGTSVGPNAVSPSSGPSLTADSMWRPWRN TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Adult stem cells, Cancer stem cells, Druggable Genome, ES Cell Differentiation/IPS, Stem cell relevant signaling - DSL/Notch pathway, Transcription Factors
Protein Pathways	Maturity onset diabetes of the young, Notch signaling pathway
Full Length	Full L.

GENE INFORMATION

Gene Name	HES1 hes family bHLH transcription factor 1 [Homo sapiens (human)]
Official Symbol	HES1
Synonyms	HHL; HRY; HES-1; bHLHb39
Gene ID	3280
mRNA Refseq	NM_005524.4
Protein Refseq	NP_005515.1

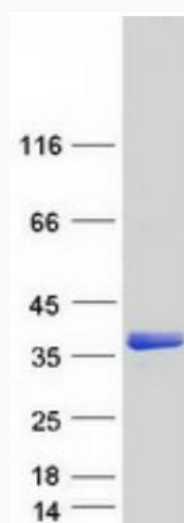
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MIM 139605

UniProt ID Q14469



Coomassie blue staining of purified HES1 protein.

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