

Product datasheet for PH311709

HES1 (NM_005524) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HES1 MS Standard C13 and N15-labeled recombinant protein (NP_005515)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211709
Predicted MW:	29.4 kDa
Protein Sequence:	>RC211709 representing NM_005524 Red=Cloning site Green=Tags(s) MPADIMEKNSSSPVAATPASVNTTPDKPKTASEHRKSSKPIMEKRRRARINESLSQLKTLILDALKKDSS RHSKLEKADILEMTVKHLRNLQRAQMTAALSTDPVLGKYRAGFSECMNEVTRFLSTCEGVNTEVTRLL GHLANCMTQINAMTYPGQPHPALQAPPPPPGPGGQHPAFAPPPPLVP.PGGAAPPPGGAPCKLGSQAG EAAKVFGGFQVVPAPDGQFAFLIPNGAF.AHSGPVIPVYTSNSGTSVGNVSPSSGSLTADSMWRPWRN TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005515
RefSeq Size:	1471
RefSeq ORF:	840
Synonyms:	bHLHb39; HES-1; HHL; HRY
Locus ID:	3280
UniProt ID:	Q14469



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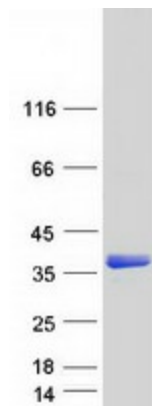
Cytogenetics: 3q29

Summary: 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. [provided by RefSeq, Jul 2008]

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

Product images:



Coomassie blue staining of purified HES1 protein (Cat# [TP311709]). The protein was produced from HEK293T cells transfected with HES1 cDNA clone (Cat# [RC211709]) using MegaTran 2.0 (Cat# [TT210002]).