

## Product datasheet for TP311709

### HES1 (NM\_005524) Human Recombinant Protein

#### Product data:

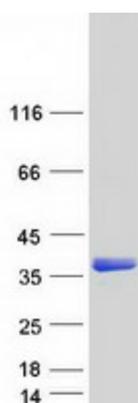
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human hairy and enhancer of split 1, (Drosophila) (HES1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211709 representing NM_005524 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MPADIMEKNSSSPVAATPASVNTTPDKPKTASEHRKSSKPIMEKRRRARINESLSQLKTLILDALKKDSS RHSKLEKADILEMTVKHLRNLQRAQMTAALSTDPVSLGKYRAGFSECMNEVTRFLSTCEGVNTEVRTRLL GHLANCMTQINAMTYPGQPHPALQAPPPPPGPGGPQHAPFAPPPPLVIPGGAAPPPGGAPCKLGSQ AG EAAKVFGGFQVVPAPDGQFAFLIPNGAFAHSGPVI PVYTSNSGT SVGPNVSPSSGSLTADSMWRPWR N
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	29.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_005515</a></u>
Locus ID:	3280



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UniProt ID:	<a href="#">Q14469</a>
RefSeq Size:	1471
Cytogenetics:	3q29
RefSeq ORF:	840
Synonyms:	bHLHb39; HES-1; HHL; HRY
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]).