

## Product datasheet for **TP315311M**

### **HES5 (NM\_001010926) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human hairy and enhancer of split 5 (Drosophila) (HES5), 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC215311 representing NM_001010926 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MAPSTVAVELLSPKEKNRLRKPVVEKMRRDRINSSIEQLKLLLEQEFARHQPNKLEKADILEMAVSYLK HSKAFVAAAGPKSLHQDYSEGYSWCLQEAVQFLTLHAASDTQMKLLYHFQRPPAAPAAPEKPKAPGAAP PPALSAKATAAAAAAHQPACGLWRPW  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	18 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u><a href="#">NP_001010926</a></u>
<b>Locus ID:</b>	388585
<b>UniProt ID:</b>	<u><a href="#">Q5TA89</a></u>
<b>RefSeq Size:</b>	1306



[View online »](#)

Cytogenetics: 1p36.32

RefSeq ORF: 498

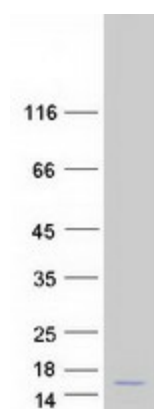
Synonyms: bHLHb38

**Summary:** This gene encodes a member of a family of basic helix-loop-helix transcriptional repressors. The protein product of this gene, which is activated downstream of the Notch pathway, regulates cell differentiation in multiple tissues. Disruptions in the normal expression of this gene have been associated with developmental diseases and cancer. [provided by RefSeq, Dec 2008]

**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS

**Protein Pathways:** Notch signaling pathway

### Product images:



Coomassie blue staining of purified HES5 protein (Cat# [TP315311]). The protein was produced from HEK293T cells transfected with HES5 cDNA clone (Cat# [RC215311]) using MegaTran 2.0 (Cat# [TT210002]).