

## Product datasheet for **TP311651M**

### Histidase (HAL) (NM\_002108) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human histidine ammonia-lyase (HAL), 100 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC211651 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MPRYTVHVRGEWLAVPCQDAQLTVGWLGREAVRRYIKNKPDNGGFTSVDDAHFLVRRCKGLGLLDNEDRL  
EVALENNEFVEVIEGDAMSPDFIPSQPEGVYLYSKYREPEKYIELDGDRLTTEDLVNLGKGGRYKIKLTP  
TAEKRVQKSREVIDSIIKEKTVVYGITTFGFKFARTVIPINKLQELQVNLVRSRSSGKPLSPERCRML  
LALRINVLAKGYSISLETLKQVIEMFNASCLPYVPEKGTGASGDLAPLSHLALGLVGEKMWSPKSGW  
ADAKYVLEAHGLKPVILKPEGLALINGTQMITSLGCEAVERASAIARQADIVAALTLEVLKGTTKAFDT  
DIHALRPHRGQIEVAFRFRSLSDHHPSEIAESHFRCDRVQDAYTLRCCPQVHGWNVTIAFVKNIIIT  
ELNSATDNPMVFANRGETISGGNFHGEYPAKALDYLAIGIHELAAISERRIERLCNPSELPAFLVAEG  
GLNSGFMAHCTAAALVSENKALCHPSSVDSLSTSAATEDHVSMGGWAARKALRVIEHVEQVLAIELLA  
CQGIEFLRPLKTTTPELVYDLVRSVVRPWIKDRFMAPDIEAAHRLLEQKVWEVAAPYIEKYRMEHIPE  
SRPLSPTAFSLQFLHKKSTKIPESDL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

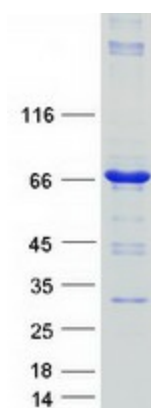
**Tag:** C-Myc/DDK  
**Predicted MW:** 72.5 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Preparation:** Recombinant protein was 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.



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<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>	<a href="#">NP_002099</a>
<b>Locus ID:</b>	3034
<b>UniProt ID:</b>	<a href="#">P42357</a>
<b>RefSeq Size:</b>	3927
<b>Cytogenetics:</b>	12q23.1
<b>RefSeq ORF:</b>	1971
<b>Synonyms:</b>	HIS; HSTD
<b>Summary:</b>	Histidine ammonia-lyase is a cytosolic enzyme catalyzing the first reaction in histidine catabolism, the nonoxidative deamination of L-histidine to trans-urocanic acid. Histidine ammonia-lyase defects cause histidinemia which is characterized by increased histidine and histamine and decreased urocanic acid in body fluids. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Histidine metabolism, Metabolic pathways, Nitrogen metabolism

### Product images:



Coomassie blue staining of purified HAL protein (Cat# [TP311651]). The protein was produced from HEK293T cells transfected with HAL cDNA clone (Cat# [RC211651]) using MegaTran 2.0 (Cat# [TT210002]).