

## Product datasheet for PH311651

### Histidase (HAL) (NM\_002108) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	HAL MS Standard C13 and N15-labeled recombinant protein (NP_002099)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211651
Predicted MW:	72.7 kDa
Protein Sequence:	>RC211651 protein sequence Red=Cloning site Green=Tags(s)
	MPRYTVHVRGEWLAVPCQDAQLTVGWLGREAVRRYIKNKPDPNGGFTSVDDAHFLVRRCKGLGLLDNEDRL EVALENNEFVEVVIIEGDAMPDFIPSPQPEGVYLYSKYREPEKYIELDGDRLTTEDLVNLGKGRYKIKLTP TAEKRVQKSREVIDSIIKEKTVVYGITTFGKGFARTVIPINKLQELQVNLVRSHSSGVGKPLSPERCRL LALRINVLAKGYSGISLETLKQVIEMFNASCLPYVPEKGTVGASGDLAPLSHLALGLVGEKMWSPKSGW ADAKYVLEAHGLKPVILKPK EGLALINGTQMITSLGCEAVERASAIARQADIVAALTLEVLKGTTKAFDT DIHALRPHRGQIEVAFRFRSLLSDHHPSEIAESHRFCDRVQDAYTLRCCPQVHG VVNDTIAFVKNIITT ELNSATDNPMVFANRGETISGGNFHGEYPAKALDYLAIGIHELAAISERRIERLCNPSELPAFLVAEG GLNSGFMI AHCTAAALVSENKALCHPSSVDSLSTSAATEDHVSMGWAARKALRVIEHVEQVLAIELLAA CQGIIEFLRPLKTTT PLEKYYDLVRSVVRPWIKDRFMAPDIEAAHRLLEQKVWEVAAPYIEKYRMEHIPE SRPLSPTAFSLQFLHKKSTKIPESDL
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	<a href="#">NP_002099</a>
RefSeq Size:	3927



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RefSeq ORF: 1971

Synonyms: HIS; HSTD

Locus ID: 3034

UniProt ID: [P42357](#)

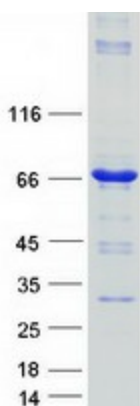
Cytogenetics: 12q23.1

**Summary:** 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]

**Protein Families:** Druggable Genome

**Protein Pathways:** 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]).