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Product datasheet for TP311651L

Histidase (HAL) (NM_002108) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human histidine ammonia-lyase (HAL), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211651 protein sequence Red=Cloning site Green=Tags(s) MPRYTVHVRGEWLAVPCQDAQLTVGWLGREAVRRYIKNKPDNGGFTSVDDAHFLVRRCKGLGLLDNEDRL EVALENNEFVEVVIEGDAMSPDFIPSQPEGVYLYSKYREPEKYIELDGDRLTTEDLVNLGKGRYKIKLTP TAEKRVQKSREVIDSIIKEKTVVYGITTGFGKFARTVIPINKLQELQVNLVRSHSSGVGKPLSPERCRML LALRINVLAKGYSGISLETLKQVIEMFNASCLPYVPEKGTVGASGDLAPLSHLALGLVGEGKMWSPKSGW ADAKYVLEAHGLKPVILKPKEGLALINGTQMITSLGCEAVERASAIARQADIVAALTLEVLKGTTKAFDT DIHALRPHRGQIEVAFRFRSLLDSDHHPSEIAESHRFCDRVQDAYTLRCCPQVHGVVNDTIAFVKNIITT ELNSATDNPMVFANRGETISGGNFHGEYPAKALDYLAIGIHELAAISERRIERLCNPSLSELPAFLVAEG GLNSGFMIAHCTAAALVSENKALCHPSSVDSLSTSAATEDHVSMGGWAARKALRVIEHVEQVLAIELLAA CQGIEFLRPLKTTTPLEKVYDLVRSVVRPWIKDRFMAPDIEAAHRLLLEQKVWEVAAPYIEKYRMEHIPE SRPLSPTAFSLQFLHKKSTKIPESEDL 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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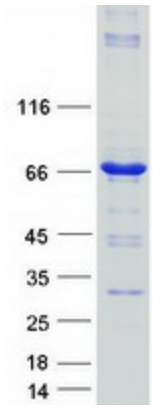
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002099
Locus ID:	3034
UniProt ID:	P42357
RefSeq Size:	3927
Cytogenetics:	12q23.1
RefSeq ORF:	1971
Synonyms:	HIS; HSTD
Summary:	Histidine 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]).