

Recombinant Human HAL Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HAL-5250H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HAL MS Standard C13 and N15-labeled recombinant protein (NP_002099) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	72.7 kDa
AA Sequence	MPRYTVHVRGEWLAVPCQDAQLTVGWLGREAVRRYIKNKP DNGGFTSVDDAHFLV RRCKGLGLLDNEDRLEVALENNEFVEVVIEGDAMSPDFIPSQPEGVYLYSKYREPEK YIELDGDRLT TEDLVNLGKGGRYKIKLTPTAEKRVQKSREVIDSIIKEKT VVYGITTGFGK FARTVIPINKLQELQVNLVRSHSSGVGKPLSPERC RMLLALRINVLAKGYSGISLET LK QVIEMFNASCLPYVPEKGTVGASGDLAPLSHLALGLVGEGKMWSPKSGWADAKYV LEAHGLKPVILKPKEGLALINGTQMITS LGCEAVERASAIARQADIVAALTLEVLK GTT KAFDTDIHALRPHRGQIEVAFRFRSLDSDHHPSEIAESHRFCDRVQDAYTLRCCPQ VHGVVNDTIAFVKNIITTELNSATDNPMVFANRGETISGGNFHGEYPAKALDYLAIGIH

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ELAAISERRIERLCNPSLSELP AFLVAEGGLNSGFMIAHCTAAALVSENKALCHPSSV
 DSLSTSAATEDHVSMGGWAARKALRVIEHVEQVLAIELLAACQGIEFLRPLKTTTPLE
 KVYDLVRSVVRPWIKDRFMAPDIEAAHRLLEQKVWEVAAPYIEKYRMEHIPESRPL
 SPTAFSLQLHKKSTKIPESDLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name HAL histidine ammonia-lyase [Homo sapiens (human)]

Official Symbol HAL

Synonyms HAL; histidine ammonia-lyase; HIS; histidase; HSTD;

Gene ID 3034

mRNA Refseq NM_002108

Protein Refseq NP_002099

MIM 609457

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