Recombinant Full Length Human HAL Protein, GST-tagged

Cat. No. HAL-3451HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HAL full-length ORF (AAH96097.1, 1 a.a. - 657 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	657 amino acids
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 [provided by RefSeq
Molecular Mass	99.1 kDa
AA Sequence	MPRYTVHVRGEWLAVPCQDAQLTVGWLGREAVRRYIKNKPDNGGFTSVDDAHFLV RRCKGLGLLDNEDRLEVALENNEFVEVVIEGDAMSPDFIPSQPEGVYLYSKYREPEK YIELDGDRLTTEDLVNLGKGRYKIKLTPTAEKRVQKSREVIDSIIKEKTVVYGITTGFGK FARTVIPINKLQELQVNLVRSHSSGVGKPLSPERCRMLLALRINVLAKGYSGISLETLK QVIEMFNASCLPYVPEKGTVGASGDLAPLSHLALGLVGEGKMWSPKSGWADAKYV LEAHGLKPVILKPKEGLALINGTQMITSLGCEAVERASAIARQADIVAALTLEVLKGTT KAFDTDIHALRPHRGQIEVAFRFRSLLDSDHHPSEIAESHRFCDRVQDAYTLRCCPQ VHGVVNDTIAFVKNIITTELNSATDNPMVFANRGETISGGNFHGEYPAKALDYLAIGIH

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	ELAAISERRIERLCNPSLSELPAFLVAEGGLNSGFMIAHCTAAALVSENKALCHPSSV DSLSTSAATEDHVSMGGWAARKALRVIEHVEQVLAIELLAACQGIEFLRPLKTTTPLE KVYDLVRSVVRPWIKDRFMAPDIEAAHRLLLEQKVWEVAAPYIEKYRMEHIPESRPL SPTAFSLQFLHKKSTKIPESEDL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	HAL histidine ammonia-lyase [Homo sapiens]
Official Symbol	HAL
Synonyms	HAL; histidine ammonia-lyase; HIS; histidase; HSTD;
Gene ID	3034
mRNA Refseq	NM_001258333
Protein Refseq	NP_001245262
MIM	609457

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UniProt ID	P42357

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