

Recombinant Human Histidine Ammonia-Lyase

Cat. No. HAL-2513H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Histidine Ammonia-Lyase protein, was expressed in Human HEK293 cells and purified by SDS-PAGE and Coomassie blue staining
Species	Human
Source	HEK293
Description	Histidine ammonia-lyase (or histidase, or histidinase) is an enzyme that in humans is encoded by the HAL gene. Histidase converts histidine into ammonia and urocanic acid. Histidine ammonia-lyase is a cytosolic enzyme catalyzing the first reaction in histidine catabolism, the nonoxidative deamination of L-histidine to trans-urocanic acid.
Preparation	HEK293T cells were transiently transfected with MegaTran Transfection Reagent and TrueORF cDNA plasmid. Transfected cells were cultured for 48-72 hrs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix, 1mM PMSF and 1mM Na3VO4), and then centrifuged to clarify the lysate. Recombinant proteins were purified through anti-DDK affinity columns. Protein concentration was measured by BCA kit.
Molecular Weight	72.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration	> 50 ug/ml as determined by BCA
Buffer	10% glycerol, 100 mM glycine, 25 mM Tris-HCl, pH 7.3
Storage	Store at -80°C. Avoid repeated freeze-thaw cycles. Stable for 3 months from receipt of products under proper storage and handling conditions

GENE INFORMATION

Gene Name	HAL, histidine ammonia-lyase [Homo sapiens]
Official Symbol	HAL
Synonyms	HAL; histidine ammonia-lyase; HIS; HSTD; histidine ammonia-lyase; histidase
Gene ID	3034
mRNA Refseq	NM_002108
Protein Refseq	NP_002099
MIM	609457
UniProt ID	P42235
Chromosome Location	12q22-q24.1
Pathway	Histidine catabolism; Histidine metabolism; Metabolic pathways; Metabolism of amino acids and derivatives; Nitrogen metabolism; histidine degradation III; histidine degradation VI

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Function

histidine ammonia-lyase activity; lyase activity

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA