

## Recombinant Human IDUA protein, His & T7-tagged

Cat. No. IDUA-1579H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IDUA aa. (Ala28~Trp306 (Accession # P35475)) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ala28~Trp306
<b>Description</b>	This gene encodes an enzyme that hydrolyzes the terminal alpha-L-iduronic acid residues of two glycosaminoglycans, dermatan sulfate and heparan sulfate. This hydrolysis is required for the lysosomal degradation of these glycosaminoglycans. Mutations in this gene that result in enzymatic deficiency lead to the autosomal recessive disease mucopolysaccharidosis type I (MPS I).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 35.5kDa
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	>90%
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.
<b>Isoelectric Point</b>	6.6

## GENE INFORMATION

<b>Gene Name</b>	IDUA iduronidase, alpha-L- [ Homo sapiens (human) ]
<b>Official Symbol</b>	IDUA
<b>Synonyms</b>	IDUA; iduronidase, alpha-L-; IDA; MPS1; alpha-L-iduronidase
<b>Gene ID</b>	3425
<b>mRNA Refseq</b>	NM_000203.4
<b>Protein Refseq</b>	NP_000194.2
<b>UniProt ID</b>	P35475

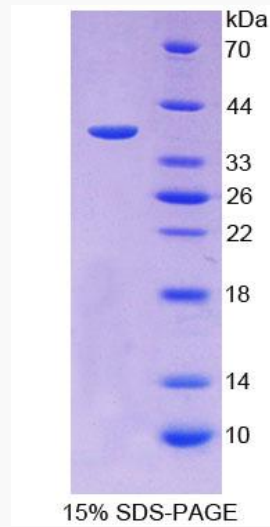
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SDS-PAGE



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