

Recombinant Human IDUA protein, His & T7-tagged

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

SPECIFICATION

Product Overview	Recombinant Human IDUA aa. (Ala28~Trp306 (Accession # P35475)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala28~Trp306
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 35.5kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	6.6

GENE INFORMATION

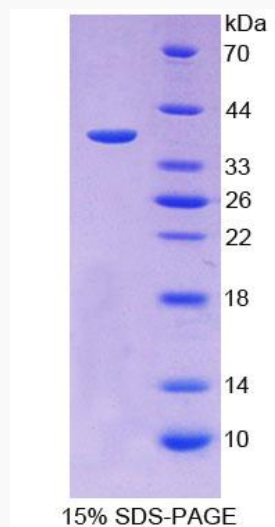
Gene Name	IDUA iduronidase, alpha-L- [Homo sapiens (human)]
Official Symbol	IDUA
Synonyms	IDUA; iduronidase, alpha-L-; IDA; MPS1; alpha-L-iduronidase
Gene ID	3425
mRNA Refseq	NM_000203.4
Protein Refseq	NP_000194.2
UniProt ID	P35475

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SDS-PAGE



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