

Recombinant Human IDUA Protein, His-tagged

Cat. No. IDUA-196H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant NS0-derived human alpha-L-Iduronidase/IDUA protein (Ala26-Pro653 (Ala26Thr)), with a C-terminal 10-His tag, was expressed in mouse myeloma cell line.
Species	Human
Source	Mammalian Cells
ProteinLength	26-653 a.a.
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).
Molecular Mass	71 kDa
N-terminal Sequence Analysis	Thr26
Endotoxin	<1.0 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by 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

Storage	Avoid repeated freeze-thaw cycles. 6 months from date of receipt, -20 to -70 centigrade as supplied. 3 months, -20 to -70 centigrade under sterile conditions after opening.
Storage Buffer	Supplied as a 0.2 µm filtered solution in Sodium Acetate, NaCl and Glycerol.

GENE INFORMATION

Gene Name	IDUA iduronidase alpha-L- [Homo sapiens (human)]
Official Symbol	IDUA
Synonyms	IDUA; iduronidase alpha-L-; IDA; MPS1; MPSI; alpha-L-iduronidase; mucopolysaccharidosis type I; EC 3.2.1.76
Gene ID	3425
mRNA Refseq	NM_000203
Protein Refseq	NP_000194
MIM	252800
UniProt ID	P35475

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