



# Recombinant Human Alpha-L-iduronidase (IDUA)

<b>Product Code</b>	CSB-BP011000HU
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P35475
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	APHLVHVDAARALWPLRRFWRSTGFCPPLPHSQADQYVLSWDQQLNLAYVG AVPHRGIKQVRTHWLLELVTTTRGSTGRGLSYNFTHLDGYLDLLRENQLLPGFE LMGSASGHFTDFEDKQQVFEWKDLVSSLARRYIGRYGLAHVSKWNFETWNE PDHDFDNVSMQMGGFLNYYDACSEGLRAASPALRLGGPGDSFHTPPRSPL SWGLLRHCHDGTNFFTGEAGVRLDYISLHRK GARSSISILEQEKVVAQQIRQLF PKFADTPIYNDEADPLVGWSLPQPWRADVYAAMVVKVIAQHQNLLLANTTSA FPYALLSNDNAFLSYHPHPFAQRTLARFQVNNTRPPHVQLLRKPVLTAMGLL ALLDEEQLWAEVSQAGTVLDSNHTVGLASAHRPQGPADAWRAAVLIYASDD TRAHPNRSVAVTLRLRGVPPGGLVYVTRYLDNGLCSPDGEWRRRLGRP VFPT AEQFRMRAAEDPVAAAPRPLPAGGRLTLRPALRLPSLLLHVHVCARPEKPPG QVTRLRALPLTQGQLVLVWSDEHVGSKCLWTYEIQFSQDGKAYTPVSRKPST FNLVFVSPDTGAVSGSYRVRALDYWARPGPFSDPVPYLEVPVPRGPPSPGNP
<b>Research Area</b>	Metabolism
<b>Source</b>	Baculovirus
<b>Target Names</b>	IDUA
<b>Protein Names</b>	Recommended name: Alpha-L-iduronidase EC= 3.2.1.76
<b>Expression Region</b>	28-653aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</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>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

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