



Recombinant Human Alpha-L-iduronidase (IDUA)

Product Code	CSB-MP011000HU
Storage	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.
Uniprot No.	P35475
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	APHLVHVDAARALWPLRRFWRSTGFCPPLPHSQADQYVLSWDQQLNLAYVG AVPHRGIKQVRTHWLELVTTTRGSTGRGLSYNFTHLDGYLDLLRENQLLPGE LMGSASGHFTDFEDKQQVFEWKDLVSSLARRYIGRYGLAHVSKWNFETWNE PDHDFDNVSMTMQGFLNYYDACSEGLRAASPALRLGGPGDSFHTPPRSPL SWGLLRHCHDGTNFFTGEAGVRLDYISLHRKGARSSISILEQEKVVAQQIRQLF PKFADTPIYNDEADPLVGWSLPQPWRADVYAAMVVKVIAQHQNLLLANTTSA FPYALLSNDNAFLSYHPHPFAQRTLARFQVNNTRPPHVQLLRKPVLTAMGLL ALLDEEQLWAEVVSQAGTVLDSNHTVGLASAHRPQGPADAWRAAVLIYASDD TRAHPNRSVAVTLRLRGVPPGGLVYVTRYLDNGLCSPDGEWRRRLGRPVFPT AEQFRMRAAEDPVAAAPRPLPAGGRLTLRPALRLPSLLLVHVCARPEKPPG QVTRLRALPLTQGQLVLVWSDEHVGSKCLWTYEIQFSQDGKAYTPVSRKPST FNLVVFSPDTGAVSGSYRVRALDYWARPGPFSDPVPYLEVPVPRGPPSPGNP
Research Area	Metabolism
Source	Mammalian cell
Target Names	IDUA
Protein Names	Recommended name: Alpha-L-iduronidase EC= 3.2.1.76
Expression Region	28-653aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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).
Reconstitution	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.

Shelf Life

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