

Recombinant Human IDS protein, His-tagged

Cat. No. IDS-1580H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IDS aa. (Arg95~Pro289 (Accession # P22304)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Arg95~Pro289
Description	This gene encodes a member of the sulfatase family of proteins. The encoded preproprotein is proteolytically processed to generate two polypeptide chains. This enzyme is involved in the lysosomal degradation of heparan sulfate and dermatan sulfate. Mutations in this gene are associated with the X-linked lysosomal storage disease mucopolysaccharidosis type II, also known as Hunter syndrome. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed.
Form	Freeze-dried powder
Molecular Mass	25kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Applications	SDS-PAGE; WB; ELISA; IP.
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, pH 7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	6.1

GENE INFORMATION

Gene Name	IDS iduronate 2-sulfatase [Homo sapiens (human)]
Official Symbol	IDS
Synonyms	IDS; iduronate 2-sulfatase; MPS2; SIDS; iduronate 2-sulfatase; alpha-L-iduronate sulfate sulfatase; iduronate 2-sulfatase 14 kDa chain; iduronate 2-sulfatase 42 kDa chain; idursulfase
Gene ID	3423
mRNA Refseq	NM_000202.7
Protein Refseq	NP_000193.1

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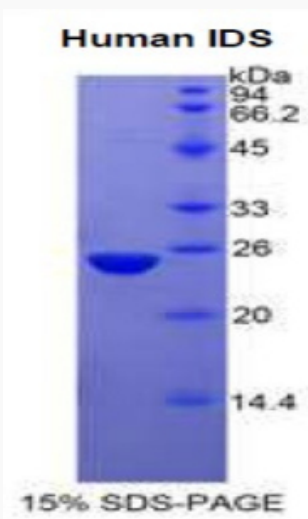
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UniProt ID

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SDS-PAGE

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