

Recombinant Human IDS Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. IDS-093H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	IDS MS Standard C13 and N15-labeled recombinant protein (NP_000193) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	61.87 kDa
AA Sequence	MPPPRTRGRLLWLGLVLSSVCVALGSETQANSTTDALNVLLIIVDDLRLPSLGCYGDK LVRSPNIDQLASHSLLFQNAFAQQAVCAPSRVSFLTGRRPDTRLYDFNSYWRVHA GNFSTIPQYFKENG YVTMSVGKVFHPGISSNHTDDSPYSWSFPPYHPSSSEKYENTK TCRGPDGELHANLLCPVDVLDVPEGTL PDKQSTEQAIQLLEKMKTSASPFFLAVGYH KPHIPFRYPKEFQKLYPLENITLAPDPEVPDGLPPVAYNPWMDIRQREDVQALNISVP YGPIPVDFQRKIRQSYFASVSYLDTQVGRLLSALDDLQLANSTIIAFTSDHGWALGEH

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GEWAKYSNFDVATHVPLIFYVPGRTASLPEAGEKLFPYLDPFDSASQLMEPGRQSM
DLVELVSLFPTLAGLAGLQVPPRCVPVPSFHVELCREGKNLLKHFRFRDLEEDPYLPG
NPRELIAYSQYPRPSDIPQWNSDKPSLKD IKIMGYSIRTIDYRYTVWVGFPNDEF
FLANFSDIHAGELYFVDS DPLQDHNMYNDSQGGDLFQLLMPTRTRPLEQKLISEEDLA
ANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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; EC 3.1.6.13

Gene ID 3423

mRNA Refseq NM_000202

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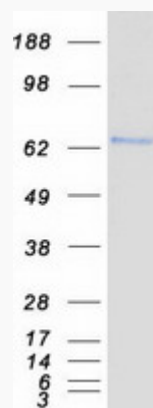
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Protein Refseq NP_000193

MIM 300823

UniProt ID P22304

SDS-PAGE



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