

## Product datasheet for TP319187

### Iduronate 2 sulfatase (IDS) (NM\_000202) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human iduronate 2-sulfatase (IDS), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC219187 representing NM_000202 Red=Cloning site Green=Tags(s)

MPPPRTRGRLLWLGLVLSSVCVALGSETQANSTTDALNVLIIIVDDLRLPSLGCYGDKLVRSFNIDQLASH  
SLLFQNAFAQQAVCAPSRVSLTGRRPDTRRLYDFNSYWRVHAGNFSTIPQYFKENGYVTMSVGKVFHHPG  
ISSNHTDDSPYSWSFPPYHPSSSEKYENTKTCRGPDGELHANLLCPVDVLDVPEGTLDPKQSTEQAIQLLE  
KMKTSASPFLLAVGYHKPHIPFRYPKEFQKLYPLENITLAPDPEVPDGLPPVAYNPWMDIRQREDVQALN  
ISVPYGPPIPVDFQRKIRQSYFASVSYLDTQVGRLLSALDDLQLANSTIIAFTSDHGWALGEHGEWAKYSN  
FDVATHVPLIFYVPGRTASLPEAGEKLPYLDPFDSASQLMEPGRQSMDELVELVSLFPTLAGLAGLQVPP  
RCPVPSFHVELCREGKNLLKHFRFRDLEEDPYLPGNPRELIAYSQYPRPSDIPQWNSDKPSLKDIKIMGY  
SIRTIDYRYTVWVGFNPDEFLANFSDIHAGELYFVSDPLQDHNMYNDSQGGDLFQLLMP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	59.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_000193](#)

Locus ID: 3423

UniProt ID: [P22304](#)

RefSeq Size: 2504

Cytogenetics: Xq28

RefSeq ORF: 1650

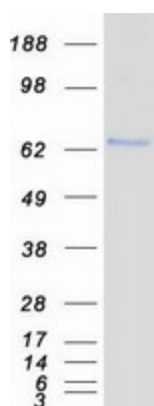
Synonyms: ID2S; MPS2; SIDS

**Summary:** 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. [provided by RefSeq, Jan 2016]

**Protein Families:** Druggable Genome

**Protein Pathways:** Glycosaminoglycan degradation, Lysosome, Metabolic pathways

### Product images:



Coomassie blue staining of purified IDS protein (Cat# TP319187). The protein was produced from HEK293T cells transfected with IDS cDNA clone (Cat# [RC219187]) using MegaTran 2.0 (Cat# [TT210002]).