

Product datasheet for PH319336

IDUA (NM_000203) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	IDUA MS Standard C13 and N15-labeled recombinant protein (NP_000194)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219336
Predicted MW:	72.67 kDa
Protein Sequence:	>RC219336 representing NM_000203 Red=Cloning site Green=Tags(s)

MRPLRPRAALLALLASLLAAPPVAPAEAPHLVHVDAARALWPLRRFWRSTGFCPPLPHSQADQYVLSWDQ
QLNLAYVGVPHRGIKQVRTHWLELVTTTRGSTRGLSYNFTHLDGYLDLLRENQLLPGFELMGSASGHF
TDFEDKQQVFWEKDLVSSLARRYIGRYGLAHVSKWNFETWNEPDHDFDNVSMTMQGFLNYDACEGLR
AASPALRLGGPGDSFHTPPRSPLSWGLLRHCHDGTNFFTGEAGVRLDYISLHRKGARSSISILEQEKVVA
QQIRQLFPKFADTPIYNDEADPLVGWSLPQPWRADVTYAAMVVKVIAQHQNLLLANTTSAFPYALLSNDN
AFLSYHPHPFAQRTL TARFQVNTRPPHVQLLRKPVL TAMGLLALLDEEQLWAEVSQAGTVLDSNHTVGV
LASAHRPQGPADAWRAAVLIYASDDTRAHPNRSVAVTLRLRGVPPGPGLYVYTRYLDNGLCSPDGEWRRLL
GRPVFPTAEQFRMRRAAEDPVAAAAPRPLPAGGRLTLRPALRLPSLLLHVHVCARPEKPPGQVTRLRALPLT
QGQLVLVWSDEHVGSKCLWTYEIQFSQDGKAYTPVSRKPSTFNLFVFSPTDGAVSGSYRVRALDYWARPG
PFSDPVYLEVPVPRGPPSPGNP

SGPTRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_000194</u>
RefSeq Size:	2197



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RefSeq ORF: 1959

Synonyms: IDA; MPS1; MPSI

Locus ID: 3425

UniProt ID: [P35475](#)

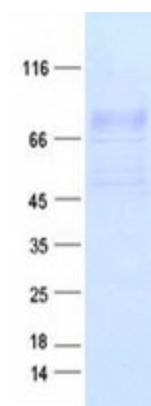
Cytogenetics: 4p16.3

Summary: 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). [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Glycosaminoglycan degradation, Lysosome, Metabolic pathways

Product images:



Coomassie blue staining of purified IDUA protein (Cat# [TP319336]). The protein was produced from HEK293T cells transfected with IDUA cDNA clone (Cat# [RC219336]) using MegaTran 2.0 (Cat# [TT210002]).