

Product datasheet for PH301559

L Kynurenine Hydrolase (KYNU) (NM_001032998) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	KYNU MS Standard C13 and N15-labeled recombinant protein (NP_001028170)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201559
Predicted MW:	34.6 kDa
Protein Sequence:	>RC201559 protein sequence Red=Cloning site Green=Tags(s) MEPSSLELPADTVQRIAAELKCHPTDERVALHLDEEDKLRHFRECFYIPKIQDLPPVDLSLVNKDENAIY FLGNSLGLQPKMVKTYLEEELDKWAKIAAYGHEVGKRPWITGDESIVGLMKDIVGANKEIALMNALTVN LHLLMLSFFKPTPKRYKILLEAKAFPSDHYAIESQLQLHGLNIEESMRMIKPREGEETLRIEDILEVIEK EGDSIAVILFSGVHFYTGQHFNIPAITKAGQAKGCYVGFDLAHAVGNVELYLHDWGVDFACWCSYKYLNA GAGGIAGAFIHEKHAHTIKPARSEFFN TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	NP_001028170
RefSeq Size:	1315
RefSeq ORF:	921
Synonyms:	KYNUU; VCRL2
Locus ID:	8942



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UniProt ID: [Q16719](#)

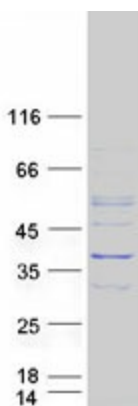
Cytogenetics: 2q22.2

Summary: Kynureninase is a pyridoxal-5'-phosphate (pyridoxal-P) dependent enzyme that catalyzes the cleavage of L-kynurenine and L-3-hydroxykynurenine into anthranilic and 3-hydroxyanthranilic acids, respectively. Kynureninase is involved in the biosynthesis of NAD cofactors from tryptophan through the kynurenine pathway. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2010]

Protein Families: Protease

Protein Pathways: Metabolic pathways, Tryptophan metabolism

Product images:



Coomassie blue staining of purified KYNU protein (Cat# [TP301559]). The protein was produced from HEK293T cells transfected with KYNU cDNA clone (Cat# [RC201559]) using MegaTran 2.0 (Cat# [TT210002]).