

## Product datasheet for TP301559L

### L Kynurenine Hydrolase (KYNU) (NM\_001032998) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human kynureninase (L-kynurenine hydrolase) (KYNU), transcript variant 2, 1 mg  |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC201559 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)   |
|                                       | MEPSSLELPADTVQRIAAELKCHPTDERVALHLDEEDKLRHFRECFYIPKIQLPVPDLSLVNKDENAIY<br>FLGNSLGLQPKMVKTYLEEELDKWAKIAAYGHEVGKRPWITGDESIVGLMKDIVGANKEIALMNALTVN<br>LHLLMLSFFKPTPKRYKILLEAKAFPSDHYAIESQLQLHGLNIEESMRMIKPREGEETLRIDILEVIEK<br>EGDSIAVILFSGVHFYTGQHFNIPAITKAGQAKGCYVGFDLAHAVGNVELYLHDWGVDFACWCSYKYLNA<br>GAGGIAGAFIHEKHAHTIKPARSEFFN |
|                                       | <b>TR</b> TRPLEQKLISEEDLAANDILDYKDDDDKV  |
| Tag:                                  | C-Myc/DDK  |
| Predicted MW:                         | 34.5 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.  |
| RefSeq:                               | <a href="#">NP_001028170</a>   |
| Locus ID:                             | 8942   |



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UniProt ID: [Q16719](#)

RefSeq Size: 1315

Cytogenetics: 2q22.2

RefSeq ORF: 921

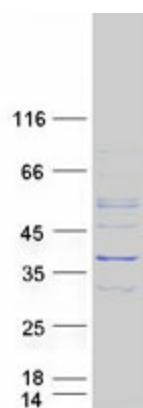
Synonyms: KYNUU; VCRL2

**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]).