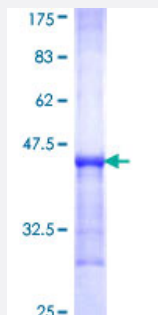


# KYNU (Human) Recombinant Protein (Q01)

Catalog # H00008942-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human KYNU partial ORF ( NP_003928, 2 a.a. - 108 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	EPSSLELPADTVQRIAAELKCHPTDERVALHLDEEDKLRHFRECFYIPKIQDLPPVDLSLVNKDEN AYFLGNSLGLQPKMVKTYLEEELDKWAKIAAYGHEVGKRP
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	37.51
<b>Interspecies Antigen Sequence</b>	Mouse (84); Rat (86)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — KYNU

Entrez GeneID [8942](#)

GeneBank Accession# [NM\\_003937](#)

Protein Accession# [NP\\_003928](#)

Gene Name KYNU

Gene Alias -

Gene Description kynureninase (L-kynurenine hydrolase)

Omim ID [236800 605197](#)

Gene Ontology [Hyperlink](#)

**Gene 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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations** l-kynurenine hydrolase

## Pathway

- [Metabolic pathways](#)
- [Tryptophan metabolism](#)

## Disease

- [Hypertension](#)
- [Tobacco Use Disorder](#)