

## Recombinant Human KYNU Protein, GST-tagged

**Cat. No.** KYNU-4785H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human KYNU full-length ORF ( NP_001028170.1, 1 a.a. - 307 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | 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.<br>[provided by RefSeq] |
| <b>Molecular Mass</b>   | 61 kDa                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MEPSSLELPADTVQRIAAELKCHPTDERVALHLDEEDKLRHFRECFYIPKIQDLPPVD<br>LSLVNKDENAIYFLGNSLGLQPKMVKTYLEEELDKWAKIAAYGHEVGKRPWITGDESI<br>VGLMKDIVGANKEKEIALMNALT VNLHLLMLSFFKPTPKRYKILLEAKAFPSDHYAIESQ<br>LQLHGLNIEESMRMIKPREGEETLRIDILEVIEKEGDSIAVILFSGVHFYTGQHFNIPAI<br>TKAGQAKGCYVGFDLAHAVGNVELYLHDWGVDFACWCSYKYLNAGAGGIAGAFIH<br>EKHAHTIKPARSEFFN                                                                                             |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)                                                                                                                                                                                                                                                                                                                                                            |

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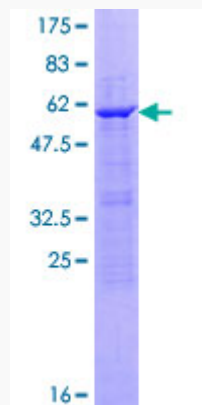
|                         |                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------|
|                         | Antibody Production<br>Protein Array                                                                                      |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                    |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                  |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                  |
| <b>GENE INFORMATION</b> |                                                                                                                           |
| <b>Gene Name</b>        | KYNU kynureninase [ Homo sapiens ]                                                                                        |
| <b>Official Symbol</b>  | KYNU                                                                                                                      |
| <b>Synonyms</b>         | KYNU; kynureninase; kynureninase (L kynurenine hydrolase); L kynurenine hydrolase; kynureninase (L-kynurenine hydrolase); |
| <b>Gene ID</b>          | 8942                                                                                                                      |
| <b>mRNA Refseq</b>      | NM_001032998                                                                                                              |
| <b>Protein Refseq</b>   | NP_001028170                                                                                                              |
| <b>MIM</b>              | 605197                                                                                                                    |
| <b>UniProt ID</b>       | Q16719                                                                                                                    |

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**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue

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