

Product datasheet for **SC329501**

L Kynurenine Hydrolase (KYNU) (NM_001199241) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L Kynurenine Hydrolase (KYNU) (NM_001199241) Human Untagged Clone
Tag:	Tag Free
Symbol:	KYNU
Synonyms:	KYNUU; VCRL2
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC329501 representing NM_001199241. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

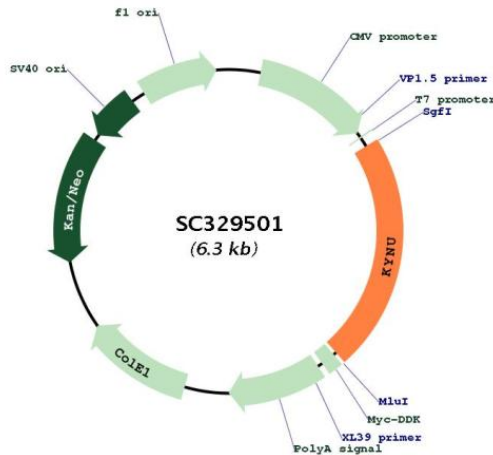
ATGGAGCCTTCATCTCTTGAGCTGCCGGCTGACACAGTGCAGCGCATTGCCGGCTGAACTCAAATGCCAC
CCAACGGATGAGAGGGTGGCTCTCCACCTAGATGAGGAAGATAAGCTGAGGCACTTCAGGGAGTGCCTT
TATATCCCAAATACAGGATCTGCCTCCAGTTGATTTATCATTAGTGAATAAAGATGAAAATGCCATC
TATTTCTGGGAAATTCTCTGGCCTTCAACAAAATGGTTAAAACATATCTTGAAGAAGAACTAGAT
AAGTGGCCAAAATAGCAGCCTATGGTCATGAAGTGGGAAGCGTCTTGGATTACAGGAGATGAGAGT
ATTGTAGGCCTTATGAAGGACATTGTAGGAGCCAATGAGAAAGAAATAGCCCTAATGAATGCTTTGACT
GTAATTTACATCTTCTAATGTTATCATTTTTAAGCCTACGCCAAAACGATATAAAATTTCTTAGAA
GCCAAAGCCTTCCCTTCTGATCATTATGCTATTGAGTCACAACACTACAACCTCACGGACTTAACATTGAA
GAAAGTATGCCGATGATAAAGCCAAGAGAGGGGGAAGAAACCTTAAGAATAGAGGATATCCTTGAAGTA
ATTGAGAAGGAAGGAGACTCAATTGCAGTGATCCTGTTCAGTGGGGTGCATTTTTACTGGACAGCAC
TTTAATATTCTGCCATCACAAAAGCTGGACAAGCGAAGGGTGTATGTTGGCTTTGATCTAGCACAT
GCAGTTGAAAATGTTGAACCTACTTACATGACTGGGGAGTTGATTTGCCTGCTGGTGTTCCTACAAG
TATTTAAATGCAGGAGCAGGAGGAATTGCTGGTGCCTTCATTCATGAAAAGCATGCCATACGATTTAAA
CCTGCATTAGTGGGATGGTTTGGCCATGAACTCAGCACCAGATTTAAGATGGATAACAACTGCAGTTA
ATCCCTGGGGTCTGTGGATTCCGAATTTCAAATCCTCCATTTTGTGGTCTGTTCTTGCATGCTAGT
TTAGAGATCTTTAAGCAAGCGACAATGAAGCATTGCCGAAAAAATCTGTTTTGCTAACTGGCTATCTG
GAATACCTGATCAAGCATAACTATGGCAAAGATAAAGCAGCAACCAAGAAACCAGTTGTGAACATAATT
ACTCCGCTCATGTAGAGGAGCGGGGTGCCAGCTAACAAATAACATTTTCTGTTCCAAACAAAGATGTT
TTCCAAGAACTAGAAAAAGAGGAGTGGTTTGTGACAAGCGGAATCCAAATGGCATTTCGAGTGGCTCCA
GTTCTCTCTATAATTCTTCCATGATGTTTATAAATTTACCAATCTGCTCACTTCTATACTTGACTCT
GCAGAAACAAAAAATAG
  
```

Restriction Sites: Sgfl-Mlul



[View online »](#)

Plasmid Map:



ACCN: NM_001199241

Insert Size: 1398 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001199241.1](#)

RefSeq Size: 1774 bp

RefSeq ORF: 1398 bp

Locus ID: 8942

UniProt ID: [Q16719](#)

Cytogenetics:	2q22.2
Protein Families:	Protease
Protein Pathways:	Metabolic pathways, Tryptophan metabolism
MW:	52.4 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) represents the longest transcript variant. Variants 1 and 3 encode isoform a.</p>