# Kynureninase 2 (bna-5-2) Neurospora Crassa Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Kynureninase 2 (bna-5-2), Recombinant Protein |
| **Full Product Name** | Recombinant Neurospora crassa Kynureninase 2 (bna-5-2) |
| **Product Gene Name** | bna-5-2 recombinant protein |
| **Product Synonym Gene Name** | bna-5-2 |
| **Sequence** | MSDFTSKVKV LRDGQKPEFP SNANTLEYAQ SLDAQDELRH FRNEFIIPTR ASLKKKALDG IIPGTQANGT TTSTDADTPC IYFVGNSLGA QPKAVRHYLE AQLETWASIG VNGHFSSLSN SPLTPWQDMA ADCAAKSAAI VGAADPSEVV IMNTLTVNLH FMMASFYRPT DKRHKIILEW RPFPSDWYAF QSQIEWHGLD PEKSIVEMQP DENLYLSTEK ILATIDEHAE DAALLLLPGI QYYTGQLFDI PRITKYAQER GIVVGWDLAH CAGNVELQLH DWNVDFAVWC TYKYLNGGPG SMAGAFVHER HGKVDMSLGK PVFKPRLSGW YGADKSVRFN MDKEFQPTPG AQGFQVSNPS AIDLTSLAAA LSVFNKTSMK DLRSKALVLT AYTEHLLDEI VRRQPEGEEP AFKIITPRDP LQRGTQLSLL LRDGLMDKVA AALEENGVVC DKRKPNVIRV APVPMYCRFE DVWKFMEIFE AAIRG |
| **Host** | E Coli or Yeast or Baculovirus or Mammalian Cell |
| **Form/Format** | Lyophilized or liquid (Format to be determined during the manufacturing process) |
| **Purity/Purification** | Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific) |
| **Preparation and Storage** | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |
| **Molecular Weight** | 54,175 Da |
| **Sequence Positions** | 1-485, Full length |
| **Tag Information** | This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information. |
| **Sterility** | Sterile filter available upon request. |
| **Endotoxin** | Low endotoxin available upon request. |
| **3D Structure** | ModBase 3D Structure for Q7S332 |
| **Species** | Neurospora crassa (strain 24698 / 74-OR23-1A / CBS 708.71 / DSM 1257 / FGSC 987) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for bna-5-2 recombinant protein** | MBS1367623 is a recombinant protein targeting bna-5-2. Also known as Recombinant Neurospora crassa Kynureninase 2 (bna-5-2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of bna-5-2 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for bna-5-2. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 85091828 |
| **NCBI GeneID** | 3875240 |
| **NCBI Accession #** | XP_959093.1 |
| **UniProt Primary Accession #** | Q7S332 |

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| **UniProt Related Accession #** | Q7S332 |
| **GenBank Nucleotide #** | XM_954000.1 |
| **NCBI Official Full Name** | kynureninase |
| **NCBI Official Symbol** | NCU09183 |
| **UniProt Protein Name** | Kynureninase 1 |
| **UniProt Synonym Protein Names** | Biosynthesis of nicotinic acid protein 5-1 |
| **UniProt Gene Name** | kyn-1 |
| **UniProt Synonym Gene Names** | bna5-1 |
| **NCBI Protein Information** | kynureninase |
| **UniProt Comments for bna-5-2** | Catalyzes the cleavage of L-kynurenine (L-Kyn) and L-3-hydroxykynurenine (L-3OHKyn) into anthranilic acid (AA) and 3-hydroxyanthranilic acid (3-OHAA), respectively. |
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