# Non-Symbiotic Hemoglobin 2 (HB2) Brassica Napus Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Non-symbiotic hemoglobin 2 (HB2), Recombinant Protein |
| **Full Product Name** | Recombinant Brassica napus Non-symbiotic hemoglobin 2 (HB2) |
| **Product Gene Name** | HB2 recombinant protein |
| **Product Synonym Gene Name** | HB2 |
| **Sequence** | MGEIVFTEKQ EALVKESWEI LKQDIPKYSL HFFSQILEIA PAAKDMFSFL RDTDEVPHNN PKLKAHAVKV FKMTCETAIQ LREKGKVVVA DTTLQYLGSV HFKSGVLDPH FEVVKEALVR TLKEGLGEKY NEEVEGAWSK AYDHLALAIK AEMKQEDSQK P |
| **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** | 18,318 Da |
| **Sequence Positions** | 1-161, Full length protein |
| **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 Q941Q2 |
| **Species** | Brassica napus (Rape) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for HB2 recombinant protein** | MBS1305017 is a recombinant protein targeting HB2. Also known as Recombinant Brassica napus Non-symbiotic hemoglobin 2 (HB2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of HB2 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 HB2. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 22001642 |
| **NCBI Accession #** | Q941Q2.1 |
| **UniProt Primary Accession #** | Q941Q2 |
| **NCBI Official Full Name** | Non-symbiotic hemoglobin 2 |
| **UniProt Protein Name** | Non-symbiotic hemoglobin 2 |
| **UniProt Synonym Protein Names** | BRAna GLB2; Hb2 |

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|---|---|
| **UniProt Gene Name** | HB2 |
| **UniProt Synonym Gene Names** | GLB2 |
| **UniProt Comments for HB2** | May not function as an oxygen storage or transport protein, but might act as an oxygen sensor or play a role in electron transfer, possibly to a bound oxygen molecule. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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Online datasheet: https://www.mybiosource.com/recombinant-protein/non-symbiotic-hemoglobin-2-hb2/1305017