# Adenylyl Cyclase-Associated Protein 2 (CAP2) Pongo Abelii Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Adenylyl cyclase-associated protein 2 (CAP2), Recombinant Protein |
| **Full Product Name** | Recombinant Pongo abelii Adenylyl cyclase-associated protein 2 (CAP2) |
| **Product Gene Name** | CAP2 recombinant protein |
| **Product Synonym Gene Name** | CAP2 |
| **Sequence** | ANMQGLVERL ERAVSRLESL SAESHRPPGN CGEVNGVIGG VAPSVEAFDK LMDSMVAEFL KNSRILAGDV ETHAEMVHSA FQAQRAFLLM ASQYQQPHEN DVAALLKPIS EKIQEIQTFR ERNRGSNMFN HLSAVSESIP ALGWIAVSPK PGPYVKEMND AATFYTNRVL KDYKHSDLRH VDWVKSYLNI WSELQAYIKE HHTTGLTWSK TGPVASTVSA FSVLSSGPGL PPPPPPPPPP GPPPLLENEG KKEESSPSRS ALFAQLNQGE AITKGLRHVT DDQKTYKNPS LRAQGGQTRS PTKSHTPSPT SPKSYPSQKH APVLELEGKK WRVEYQEDRN DLVISETELK QVAYIFKCEK STLQIKGKVN SIIIDNCKKL GLVFDNVVGI VEVINSQDIQ IQVMGRVPTI SINKTEGCHI YLSEDALDCE IVSAKSSEMN ILIPQDGDYR EFPIPEQFKT AWDGSKLITE PAEIMA |
| **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** | 52,788 Da |
| **Sequence Positions** | 2-477, 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 Q5R5X8 |
| **Species** | Pongo abelii (Sumatran orangutan) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for CAP2 recombinant protein** | MBS1341345 is a recombinant protein targeting CAP2. Also known as Recombinant Pongo abelii Adenylyl cyclase-associated protein 2 (CAP2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of CAP2 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 CAP2. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 197098662 |
| **NCBI GeneID** | 100172846 |
| **NCBI Accession #** | NP_001125913.1 |
| **UniProt Primary Accession #** | Q5R5X8 |

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| **UniProt Secondary Accession #** | Q5NVK1; Q5R9K5 |
| **UniProt Related Accession #** | Q5R5X8 |
| **GenBank Nucleotide #** | NM_001132441.2 |
| **NCBI Official Full Name** | adenylyl cyclase-associated protein 2 |
| **NCBI Official Symbol** | CAP2 |
| **UniProt Protein Name** | Adenylyl cyclase-associated protein 2 |
| **Protein Family** | Adenylyl cyclase-associated protein |
| **UniProt Gene Name** | CAP2 |
| **UniProt Synonym Gene Names** | CAP 2 |
| **NCBI Protein Information** | adenylyl cyclase-associated protein 2 |
| **UniProt Comments for CAP2** | May have a regulatory bifunctional role. |
| **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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