# Dyslexia Susceptibility 1 Candidate Gene 1 Protein Homolog (DYX1C1) Pan Paniscus Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Dyslexia susceptibility 1 candidate gene 1 protein homolog (DYX1C1), Recombinant Protein |
| **Full Product Name** | Recombinant Pan paniscus Dyslexia susceptibility 1 candidate gene 1 protein homolog (DYX1C1) |
| **Product Gene Name** | DYX1C1 recombinant protein |
| **Product Synonym Gene Name** | DYX1C1 |
| **Sequence** | MPLQVSDYSW QQTKTAVFLS LPLKGVCVRD TDVFCTENYL KVNFPPFLFE AFLYAPIDDE SSKAKIGNDT IVFTLYKKEA AMWETLSVTG VDKEMMQRIR EKSILQAQER AKEATEAKAA AKREDQKYAL SVMMKIEEEE RKKIEDMKEN ERIKATKELE AWKEYQRKAE EQKKIQREEK LCQKEKQIKE ERKKIKYKSL TRNLASRNLA PKGRNSENIF TEKLKEDSIP APRSVGSIKI NFTPRVFPTA LRESQVAEEE EWLHKQAEAR RAMNTDIAEL CDLKEEEKNP EWLKDKGNKL FATENYLAAI NAYNLAIRLN NKMPLLYLNR AACHLKLKNL HKAIEDSSKA LELLMPPVTD NANARMKAHV RRGTAFCQLE LYVEGLQDYE AALKIDPSNK IVQIDAEKIR NVIQGTELKS |
| **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** | 48,585 Da |
| **Sequence Positions** | 1-420, 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 Q863A6 |
| **Species** | Pan paniscus (Pygmy chimpanzee) (Bonobo) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for DYX1C1 recombinant protein** | MBS1448075 is a recombinant protein targeting DYX1C1. Also known as Recombinant Pan paniscus Dyslexia susceptibility 1 candidate gene 1 protein homolog (DYX1C1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of DYX1C1 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 DYX1C1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 397515330 |
| **NCBI GeneID** | 100995246 |

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| **NCBI Accession #** | XP_003827906.1 |
| **UniProt Primary Accession #** | Q863A6 |
| **UniProt Related Accession #** | Q863A6 |
| **GenBank Nucleotide #** | XM_003827858.2 |
| **NCBI Official Full Name** | dyslexia susceptibility 1 candidate gene 1 protein homolog isoform X1 |
| **NCBI Official Symbol** | DNAAF4 |
| **NCBI Official Synonym Symbols** | EKN1; DYX1C1 |
| **UniProt Protein Name** | Dynein assembly factor 4, axonemal |
| **UniProt Synonym Protein Names** | Dyslexia susceptibility 1 candidate gene 1 protein homolog |
| **Protein Family** | Dyslexia susceptibility 1 candidate gene 1 protein |
| **UniProt Gene Name** | DNAAF4 |
| **NCBI Protein Information** | dyslexia susceptibility 1 candidate gene 1 protein homolog |
| **UniProt Comments for DYX1C1** | Involved in neuronal migration during development of the cerebral neocortex. May regulate the stability and proteasomal degradation of the estrogen receptors that play an important role in neuronal differentiation, survival and plasticity. Axonemal dynein assembly factor required for ciliary motility (). |
| **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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