

# Dehydration-responsive protein RD22 (RD22), Recombinant Protein

Cat RP01013

Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)  
Species Arabidopsis thaliana (Mouse-ear cress)

## Full Product Name

Recombinant Arabidopsis thaliana Dehydration-responsive protein RD22 (RD22)

## Product Gene Name

RD22 recombinant protein

## Product Synonym Gene Name

RD22

## Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

## Sequence

LTPERYWSTA LPNTPIPNLS HLLTFDFTD EKSTNVQVGK GGVNVNTHKG KTGSGTAVNV GKGGVRVDTG  
KGKPGGGGTHV SVGSGKGHGG GVAVHTGKPG KRTDVGVGKG GVTVHTRHKG RPIYVGVKPG ANPFVYNYAA  
KETQLHDDPN AALFFLEKDL VRGKEMNVRF NAEDGYGGKT AFLPRGEAET VPFGESEKFSE TLKRFSVEAG  
SEEAEMMKKT IEECEARKVS GEEKYCATSL ESMVDFSVSK LGKYHVRAVS TEVAKKNAPM QKYKIAAAGV  
KKLSDDKSVV CHKQKYPFAV FYCHKAMMTT VYAVPLEGEN GMRKAVAVC HKNTSAWNPN HLA FKVLKVK  
PGTVPVCHFL PETHVWFSY

## Sequence Positions

23-392, Full length protein

## Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

## Host

E Coli or Yeast or Baculovirus or Mammalian Cell

## Molecular Weight

42,260 Da

## Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

## Protein Family

BURP domain protein

## NCBI Accession #

NP\_197943.1

## NCBI GI #

15239478

## NCBI GenBank Nucleotide #

NM\_122472.4

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Cat      *RP01013*

Size      0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg  
(Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg  
(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-  
Cell)

## NCBI GeneID

832636

## NCBI Official Full Name

BURP domain-containing protein

## NCBI Official Symbol

RD22

## NCBI Official Synonym Symbols

ATRD22; RESPONSIVE TO DESSICATION 22; T14C9.150; T14C9\_150

## NCBI Protein Information

BURP domain-containing protein

## NCBI Summary

responsive to dehydration 22 (RD22) mediated by ABA

## UniProt Gene Name

RD22

## UniProt Protein Name

BURP domain protein RD22

## UniProt Synonym Protein Names

Dehydration-responsive protein RD22

## UniProt Primary Accession #

Q08298

## UniProt Secondary Accession #

Q56WL9

## UniProt Related Accession #

Q08298

## UniProt Comments

Acts to suppress chlorophyll degradation under moisture stress.

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