

Transcription factor HY5-like (HYH), Recombinant Protein

Cat RP00423

Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1

mg (E-Coli)/ 0.1 mg (Baculovirus)/ 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 Transcription factor HY5-like (HYH)

Product Gene Name

HYH recombinant protein

Product Synonym Gene Name

HYH

Purity

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

Sequence

MSLQRPNGNS SSSSSHKHKH TEESDEELLM VPDMEAAGST CVLSSSADDG VNNPELDQTQ NGVSTAKRRR
GRNPVDKEYR SLKRLLRNRV SAQQARERKK VYVSDLESRA NELQNNNDQL EEKISTLTNE NTMLRKMLIN
TRPKTDDNH

Sequence Positions

1-149, 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

15,251 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

Transcription factor

NCBI Accession

NP_850604.1

NCBI GI

30684591

NCBI GenBank Nucleotide

NM_180273.2

NCBI GeneID

821027

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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

NCBI Official Symbol

HYH

NCBI Official Synonym Symbols

HY5-homolog

NCBI Protein Information

HY5-homolog

NCBI Summary

Encodes a homolog of HY5 (HYH). Involved in phyB signaling pathway.

UniProt Gene Name

HYH

UniProt Synonym Gene Names

; AtbZIP64

UniProt Protein Name

Transcription factor HY5-like

UniProt Synonym Protein Names

HY5 homolog; bZIP transcription factor 64

UniProt Primary Accession

Q8W191

UniProt Secondary Accession

Q8LB41; Q9LUN6

UniProt Related Accession

Q8W191

UniProt Comments

Transcription factor that promotes photomorphogenesis in light. Acts downstream of the light receptor network and directly affects transcription of light-induced genes. Specifically involved in the blue light specific pathway, suggesting that it participates in transmission of cryptochromes (CRY1 and CRY2) signals to downstream responses. In darkness, its degradation prevents the activation of light-induced genes.

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