

# Heme oxygenase 4, chloroplastic (HO4), Recombinant Protein

Cat RP00456

## Species

Arabidopsis thaliana (Mouse-ear cress)

## Full Product Name

Recombinant Arabidopsis thaliana Heme oxygenase 4, chloroplastic (HO4), partial

## Product Gene Name

HO4 recombinant protein

## Product Synonym Gene Name

HO4

## Purity

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

## Format

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

## Host

E Coli or Yeast or Baculovirus or Mammalian Cell

## Molecular Weight

32,953 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

Heme oxygenase

## NCBI Accession #

NP\_176126.1

## NCBI GI #

15217926

## NCBI GenBank Nucleotide #

NM\_104610.2

## NCBI GeneID

842199

## NCBI Official Full Name

heme oxygenase 4

## NCBI Official Symbol

HO4

## NCBI Official Synonym Symbols

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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F19C14.8; F19C14\_8; heme oxygenase 4

## NCBI Protein Information

heme oxygenase 4

## NCBI Summary

Encodes a member (HO4) of the heme oxygenase family.

## UniProt Gene Name

HO4

## UniProt Protein Name

Heme oxygenase 4, chloroplastic

## UniProt Primary Accession #

Q9LQC0

## UniProt Secondary Accession #

Q94FX2; Q9FUN4; A0MED2

## UniProt Related Accession #

Q9LQC0

## UniProt Comments

Catalyzes the opening of the heme ring to form the open-chain tetrapyrrole biliverdin IX with the release of iron and carbon monoxide (CO). Produces specifically the biliverdin IX-alpha isomer. Plays a minor role in phytochrome assembly and photomorphogenesis.

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