Probable 3-beta-hydroxysteroid-Delta(8),Delta(7)-isomerase (HYD1), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP00449*

Size *0.02 mg/ 0.1 mg/ 5x0.1 mg*

Species
Arabidopsis thaliana (Mouse-ear cress)

Full Product Name
Recombinant Arabidopsis thaliana Probable 3-beta-hydroxysteroid-Delta (8),Delta (7)-isomerase

Product Gene Name
HYD1 recombinant protein

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

Sequence
MEELAHPYVP RDLNLPGYVP ISMSMSSIVS IYLGSSLLVV SLVWLLFGRK KAKLDKLLMC WWTFTGLTHV ILEGYFVFSP EFFKDNTSAY LAEVWKEYSK GDSRYVGRDS AVVSVEGITA VIVGPASLLA IYAIAKEKSY SYVLQLAISV CQLYGCLVYF ITAILEGDNF ATNSFYYYSY YIGANCWWVL IPSLISFRCW KKICAAAAIA NNNVETKTKK KTR

Sequence Positions
1-223aa; full length protein

Format
Liquid containing glycerol

Host
Cell Free Expression

Molecular Weight
25,146 Da

Storage
Store at -20℃, for extended storage, conserve at -20℃ or -80℃.Repeated freezing and thawing is not recommended. Store working aliquots at 4℃ for up to one week.

Protein Family
Probable 3-beta-hydroxysteroid-Delta(8),Delta(7)-isomerase

NCBI Accession
NP_173433.1

NCBI GI
15223758

NCBI GenBank Nucleotide
NM_101859.3

NCBI GeneID
838593

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Cat *RP00449*

Size *0.02 mg/ 0.1 mg/ 5x0.1 mg*

NCBI Official Full Name
probable 3-beta-hydroxysteroid-Delta(8),Delta(7)-isomerase

NCBI Official Symbol
HYD1

NCBI Official Synonym Symbols
HYDRA1

NCBI Protein Information
probable 3-beta-hydroxysteroid-Delta(8),Delta(7)-isomerase

NCBI Summary
C-8 sterol isomerase

UniProt Gene Name
At1g20050

UniProt Synonym Gene Names
D8-D7 sterol isomerase

UniProt Protein Name
Probable 3-beta-hydroxysteroid-Delta(8),Delta(7)-isomerase

UniProt Synonym Protein Names
Cholestenol Delta-isomerase; Delta(8)-Delta(7) sterol isomerase; D8-D7 sterol isomerase

UniProt Entry Name
EBP_ARATH

UniProt Primary Accession
O48962

UniProt Secondary Accession
Q9SAQ8

UniProt Related Accession
O48962

UniProt Comments
Catalyzes the conversion of Delta(8)-sterols to their corresponding Delta(7)-isomers.

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