

Recombinant human Pterin-4-alpha-carbinolamine dehydratase

Catalog No: #AP72712

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Package Size: #AP72712-1 20ug #AP72712-2 100ug #AP72712-3 1mg

Description

Product Name	Recombinant human Pterin-4-alpha-carbinolamine dehydratase
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-104aaSequence Info:Full Length
Other Names	4-alpha-hydroxy-tetrahydropterin dehydrataseDimerization cofactor of hepatocyte nuclear factor 1-alpha ;DCoH ;Dimerization cofactor of HNF1;Phenylalanine hydroxylase-stimulating protein;Pterin carbinolamine dehydratase ;PCD
Accession No.	P61457
Uniprot	P61457
GeneID	5092;
Calculated MW	13.9 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	AGKAHRLSAEERDQLLPNLRAVGWNELEGRDAIFKQFHFKDFNRAFGMTRVALQAEKLDHHPWFNVYNK VHITLSTHECAGLSERDINLASFIEQVAVSMT
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Involved in tetrahydrobiopterin biosynthesis. Ses to both prevent the formation of 7-pterins and accelerate the formation of quinonoid-BH2. Coactivator for HNF1A-dependent transcription. Regulates the dimerization of homeodomain protein HNF1A and enhances its transcriptional activity.

References

Characterization of a cofactor that regulates dimerization of a mammalian homeodomain protein.Mendel D.B., Khavari P.A., Conley P.B., Graves M.K., Hansen L.P., Admon A., Crabtree G.R.Science 254:1762-1767(1991)Research Topic:Metabolism

Note: This product is for in vitro research use only