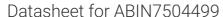
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Phenylalanine Hydroxylase Protein (AA 1-452) (His tag)



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Quantity:	100 μg	
Target:	Phenylalanine Hydroxylase	
Protein Characteristics:	AA 1-452	
Origin:	Human	
Source:	Baculovirus infected Insect Cells	
Protein Type:	Recombinant	
Purification tag / Conjugate:	This Phenylalanine Hydroxylase protein is labelled with His tag.	

Product Details

Purpose:	Human PAH (D415N) Protein
Sequence:	Met1-Lys452 (D415N)
Characteristics:	Recombinant Human PAH (D415N) Protein is expressed from Baculovirus-Insect Cells with His tag at the N-terminus. It contains Met1-Lys452 (D415N).
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per μg by the LAL method.

Target Details

Target:	Phenylalanine Hydroxylase
Alternative Name:	PAH (Phenylalanine Hydroxylase Products)

Target Details

Expiry Date:

12 months

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Background:	Phenylalanine hydroxylase (PAH) is a member of aromatic amino acid hydroxylase (AAAHs) family, and catalyze phenylalanine (Phe) into tyrosine (Tyr). PAH is also an allosteric enzyme that maintains phenylalanine (Phe) below neurotoxic levels, its failure results in phenylketonuria, an inborn error of amino acid metabolism.	
Molecular Weight:	52.82 kDa same as Tris-Bis PAGE result.	
UniProt:	P00439	
Application Details		
Restrictions:	For Research Use only	
Handling		
Format:	Lyophilized	
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.	
Buffer:	Lyophilized from 0.22 μ m filtered solution in 20 mM Tris, 0.5M NaCl (pH 8.0). Normally 8 % trehalose is added as protectant before lyophilization.	
Storage:	-20 °C,-80 °C	
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.	