Phenylalanine Hydroxylase (PAH) Recombinant Protein | PAH recombinant protein

Recombinant Phenylalanine Hydroxylase (PAH)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA20225	**E Coli**	**Homo sapiens (Human)**	**SDS-Page, Western Blot**

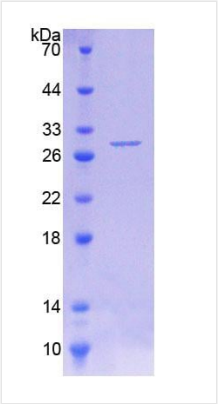
PRODUCT SYNONYMS

Phenylalanine Hydroxylase (PAH); Recombinant Phenylalanine Hydroxylase (PAH); PAH recombinant protein

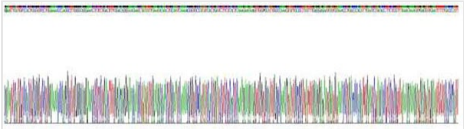
PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 97%
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 400ug/mL (varies by lot)
Applicable Applications for PAH recombinant protein	Positive Control, Immunogen, SDS-PAGE, WB (Western Blot)
Application Notes	(May be suitable for use in other assays to be determined by the end user.)
Source	Prokaryotic expression
Residues	Met1~Gln226
Tags	N-terminal His Tag
Subcellular Location	Extracellular matrix
Traits	Freeze-dried powder
Predicted isoelectric point	6.6
Usage	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	**Storage:** Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. **Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE



Gene Sequencing (Extract)

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MSTAVLENPG LGRKLSDFGQ ETSYIEDNCN QNGAISLIFS LKEEVGALAK
VLRLFEENDV NLTHIESRPS RLKKDEYEFF THLDKRSLPA LTNIIKILRH
DIGATVHELS RDKKKDTVPW FPRTIQELDR FANQILSYGA ELDADHPGFK
DPVYRARRKQ FADIAYNYRH GQPIPRVEYM EEEKKTWGTV FKTLKSLYKT
HACYEYNHIF PLLEKYCGFH EDNIPQ
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Sequence Information

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557819
NCBI GeneID	5053
NCBI Accession #	NP_000268.1
NCBI GenBank Nucleotide #	NM_000277.1
UniProt Accession #	P00439; Q16717; Q8TC14
Molecular Weight	Predicted Molecular Mass: 27.6kDa Accurate Molecular Mass: 28kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	phenylalanine-4-hydroxylase
NCBI Official Synonym Full Names	phenylalanine hydroxylase
NCBI Official Symbol	PAH
NCBI Official Synonym Symbols	PH; PKU; PKU1
NCBI Protein Information	phenylalanine-4-hydroxylase; phe-4-monooxygenase; phenylalanine 4-monooxygenase
UniProt Protein Name	Phenylalanine-4-hydroxylase
UniProt Gene Name	**PAH**
UniProt Synonym Gene Names	PAH
UniProt Entry Name	PH4H_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/pah-recombinant-protein-e-coli-positive-control-immunogen-sds-page-wb-western-blot/20225