

Recombinant Human PAX6 protein, Arginine-tagged

Cat. No. PAX6-134H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PAX6 protein fused with 11 arginine domain at C-terminal, which will efficiently deliver protein intracellularly, was expressed in E. coli.
Species	Human
Source	E.coli
Form	0.5 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	QNSHSGVNIQ LGGVFNNGRP LPDSTRQKIV ELAHSGARPC DISRILQVSN GCVSKILGRY YETGSIRPRA IGGSKPRVAT PEVVSIAQY KRECPSIFAW EIRDRLLESG VCTNDNIPSV SSINRVLRLN ASEKQMGAD GMYDKLRMLN GQTGSWGTRP GWYPGTSVPG QPTQDGCQQQ EGGGENTNSI SSNGEDSDEA QMRLQLKRKL QRNRTSFTQE QIEALEKEFE RTHYPDVFAE ERLAAKIDLP EARIQVWFSN RRAKWRREEK LRNQRRQASN TPSHIPISSS FSTSVYQPIP QPTTPVSSFT SGSMGLGRDT ALTNTYSALP PMPSTMANN LPMQPPVPSQ TSSYSCMLPT SPSVNGRSYD TYTPPHMQTH MNSQPMGTSG TTSTGLISPG VSPVQVPGS EPDMSQYWPR LQLEESGGGGSPGRRRRRRRRRRR
Purity	>90% by SDS-PAGE
Applications	1. Protein transduction for study of Neural cell differentiation and eye development.2. Active recombinant protein, may be used for ELISA based DNA/Protein binding assay.3. As specific protein substrate for kinase assay.4. Immunogen for specific

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antibody production.

Storage Keep at -20°C for long term storage. Product is stable at 4 °C for at least 7 days.

GENE INFORMATION

Gene Name PAX6 paired box 6 [Homo sapiens]

Official Symbol PAX6

Synonyms PAX6; paired box 6; paired box protein Pax-6; AN; aniridia; keratitis; D11S812E; WAGR; oculorhombin; aniridia type II protein; paired box homeotic gene-6; AN2; MGDA; MGC17209;

Gene ID 5080

mRNA Refseq NM_000280

Protein Refseq NP_000271

MIM 607108

UniProt ID P26367

Chromosome Location 11p13

Pathway CDC42 signaling events, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Incretin Synthesis, Secretion, and Inactivation, organism-specific biosystem; Integration of energy metabolism, organism-specific biosystem; Maturity onset diabetes of the young, organism-specific biosystem;

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Maturity onset diabetes of the young, conserved biosystem; Metabolism, organism-specific biosystem;

Function

DNA binding; R-SMAD binding; RNA polymerase II core promoter sequence-specific DNA binding; histone acetyltransferase binding; protein binding; protein kinase binding; sequence-specific DNA binding; sequence-specific DNA binding RNA polymerase II transcription factor activity; sequence-specific DNA binding transcription factor activity; transcription factor binding; ubiquitin-protein ligase activity;

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