# Recombinant Human PAX6 protein, His-tagged

**Cat. No.** PAX6-1884H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human PAX6 protein(126-229 aa), fused with N-terminal His tag, was expressed in E.coli. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | 126-229 aa |
| **Form** | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM $Na_2HPO_4$, 17 mM $NaH_2PO_4$, 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole. |
| **AASequence** | VLRNLASEKQQMGADGMYDKLRMLNGQTGSWGTRPGWYPGTSVPGQPTQDGCQ QQEGGGENTNSISSNGEDSDEAQMRLQLKRKLQRNRTSFTQEQIEALEKEF |
| **Purity** | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining. |
| **Storage** | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles. |
| **Reconstitution** | Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/ |

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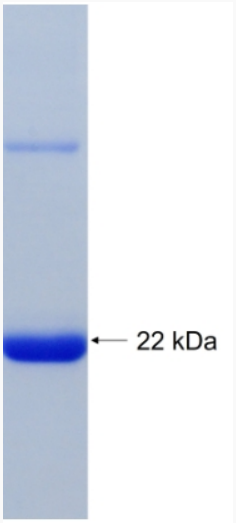
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|---|---|
| | μl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution. |

## GENE INFORMATION

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| **Gene Name** | PAX6 paired box 6 [ Homo sapiens ] |
| **Official Symbol** | PAX6 |
| **Synonyms** | PAX6; paired box 6; AN2, paired box gene 6 (aniridia, keratitis); 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 |

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**SDS-PAGE**




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