

Recombinant Human PAX6 Protein Product Manual

1. Product Basic Information

Product No.: REP07736

Protein Name: Aniridia Aniridia Oculorhombin (PAX6)

Aliases: AN; AN1; AN2; FVH1; MGDA; WAGR; ASGD5; D11S812E; Aniridia Aniridia oculorhombin; paired box alternative protein PAX6; aniridia type II protein; paired box protein Pax-paired box 6 PAX6D isoform; paire...

UniProt ID: P26367

UniProt Link: <https://www.uniprot.org/uniprotkb/P26367/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-422aa)

Molecular Weight: 52.6 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-422aa)

MQNSHSGVNLGGVFNVRPLPDSTRQKIVELAHSGARPCDISRILQVSNCGVSKI
LGRYYETGSIRPRAIGGSKPRVATPEVVSKIAQYKRECPSIFAWAIRDLLSEGVCNTN
DNIPSVSSINRVLRLNLASEKQQMGADGMYDKLRMLNGQTGSWGTRPGWYPGTSV
PGQPTQDGCQQQEGGENTNSISSNGEDSDEAQMRLQLKRKLQRNRTSFTQEIQI
EALKEFERTHYPDVFARERLAAKIDLPEARIQVWFSNRRRAKWRREEKLRNQRQA
SNTPSHIPISSSFSTSVYQPIQPTTPVSSFTSGSMLGRTDTALTNTYSALPPMPSFT
MANNLPMQPPVPSQTSSYSCMLPTSPSVNGRSYDTYTPPHMQTHMNSQPMGTSG
TTSTGLISPGVSPVQVPGSEPDMSQYWPRLQ

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human PAX6 full length protein (1-422aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. PAX6, also known as AN or AN1 or AN2, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.