

# Product Datasheet

## Recombinant Human Pax6 GST (N-Term) Protein H00005080-P01-10ug

Unit Size: 10 ug

Store at -80C. Avoid freeze-thaw cycles.

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**H00005080-P01-10ug**

## Recombinant Human Pax6 GST (N-Term) Protein

Product Information	
Unit Size	10 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -80C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>80% by SDS-PAGE and Coomassie blue staining
Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
Target Molecular Weight	73.1 kDa
Product Description	
Description	<p>Recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-422 of Human PAX6</p> <p><b>Source:</b> <i>Wheat Germ (in vitro)</i></p> <p><b>Amino Acid Sequence:</b>            MQNSHSGVNLGGVFVNGRPLPDSTRQKIVELAHSGARPCDISRILQVSNGCV            SKILGRYYETGSIRPRAIGGSKPRVATPEVVSKIAQYKRECPSIFAWEIFDRLLS            EGVCTNDNIPSVSSINRVLRNLASEKQQMGADGMYDKLRMLNGQTGSWGTRP            GWYPGTSVPGQPTQDGCQQQEGGGENTNSISSNGEDSDEAQMRLQLKRKL            QRNRTSFTQEIEALEKEFERTHYPDVFARERLAAKIDLPEARIQVWFSNRRAK            WRREEKLRNQRRQASNTPSHIPISSSFSTSVYQPIQPPTTPVSSFTSGSMLGRT            DTALTNTYSALPPMPSFTMANNLPMQPPVPSQTSSYSCLMPTSPSVNGRSYD            TYTPPHMQTHMNSQPMGTSGTTSTGLISPGVSVVQVPGSEPDMSQYWPRL            Q</p>
Gene ID	5080
Gene Symbol	PAX6
Species	Human
Preparation Method	in vitro wheat germ expression system
Details of Functionality	This protein was produced in an in vitro wheat germ expression system that should preserve correct conformational folding that is necessary for biological function. While it is possible that this protein could display some level of activity, the functionality of this protein has not been explicitly measured or validated.
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, SDS-Page, Immunoaffinity Purification
Recommended Dilutions	Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, SDS-Page, Protein Array, Immunoaffinity Purification
Application Notes	Use in Immunohistochemistry-Paraffin reported in scientific literature (PMID 25792196)

## Images

SDS-Page: Recombinant Human Pax6 Protein [H00005080-P01] - 12.5% SDS-PAGE Stained with Coomassie Blue.



## Publications

Maucksch C, Firmin E, Butler-Munro C et al. Non-Viral Generation of Neural Precursor-like Cells from Adult Human Fibroblasts. JSRM. 2012-01-01 [PMID: 24693194]

Huang J, Liu Y, Oltean A, Beebe DC. Bmp4 from the optic vesicle specifies murine retina formation. Dev. Biol. 2015-03-16 [PMID: 25792196] (IHC-P, Mouse)



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### **Products Related to H00005080-P01-10ug**

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NBP2-61411PEP	Pax6 Recombinant Protein Antigen
233-FB-025	FGF basic/FGF2/bFGF [Unconjugated]
AF8150	Pax6 Antibody [Unconjugated]
AF2018	SOX2 Antibody [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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