

Recombinant Human PAX2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PAX2-5570H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PAX2 MS Standard C13 and N15-labeled recombinant protein (NP_003978) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	PAX2 encodes paired box gene 2, one of many human homologues of the Drosophila melanogaster gene prd. The central feature of this transcription factor gene family is the conserved DNA-binding paired box domain. PAX2 is believed to be a target of transcriptional suppression by the tumor suppressor gene WT1. Mutations within PAX2 have been shown to result in optic nerve colobomas and renal hypoplasia. Alternative splicing of this gene results in multiple transcript variants.
Molecular Mass	44.5 kDa
AA Sequence	MDMHCKADPF SAMHPGHGGVNQLGGVFVNGRPLPDVVRQRIVELAHQGVRPCDIS RQLRVSHGCVSKILGRYYETGSIKPGVIGGSKPKVATPKVVDKIAEYKRQNPTMFAW EIRDRLAEGICDNDTVPSVSSINRIIRTKVQQPFHPTPDGAGTGVTAPGHTIVPSTAS PPVSSASNDPVGSY SINGILGIPRSNGEKRKRDEVEVYTDPAHIRGGGGLHLVWTLR DVSEGSVPNGDSQSGVDSLRLKHLRADTFTQQQLEALDRVFERPSYPDVFQASEHIK SEQGNEYS LPA LTPGLDEVKSSLSASTNPELGSNVSGTQTYPVVTGRDMASTTLPG YPPHVPPTGQGSYPTSTLAGMVPVGSEFSGNPYSH PQYTAYNEAWRFSNPALLSSP

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YYYSAAPRSAPAAAAAAYDRHTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

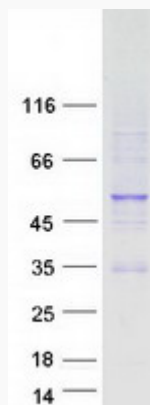
GENE INFORMATION

Gene Name	PAX2 paired box 2 [Homo sapiens (human)]
Official Symbol	PAX2
Synonyms	PAX2; paired box 2; paired box gene 2; paired box protein Pax-2; paired box homeotic gene 2;
Gene ID	5076
mRNA Refseq	NM_003987
Protein Refseq	NP_003978
MIM	167409
UniProt ID	Q02962

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SDS-PAGE

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