

Product datasheet for TP323269

WNK4 (NM_032387) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human WNK lysine deficient protein kinase 4 (WNK4), 20 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC223269 representing NM_032387
Red=Cloning site Green=Tags(s)

MLASPATETTVLMSQTEADLALRPPPPPLGTAGQPRLGPPRRARRFSGKAEPRPRSSRLSRRSSVDLGLL
SSWSLPASPAPDPPDPPDSAGPGPARSPSSKEPPEGTWTEGAPVKAEDSARPELPDSAVGPGSREPL
RVPEAVALERRREQEEKDMETQAVATSPDGRYLKFDIEIGRGSFKTVYRGLDTDTTVEVAWCELQTRKL
SRAERQRFSEEVEMLKGLQHPNIVRFYDSWKSVLRGQVCIVLVELMTSGTLKTYLRRFREMKPRVLQRW
SRQILRGLHFLHSRVPPILHRDLKCDNVFITGPTGSVKIGDLGLATLKRAFSAKSVIGTPEFMAPEMYEE
KYDEAVDVYAFGMCMLEMATSEYPYSECQNAAQIYRKVTSGRKPNSEFHKVKIPEVKEIIEGCIRTDKNER
FTIQDLLAHAFFREERG VHVLAEEEDGKPKLKLWLRMEDARRGGRPRDNQAIIEFLFQLGRDAAEEVAQ
EMVALGLVCEADYQPVAVRERVAIQKREKLRKARELEALPPEPGPPPATVPMAPGPPSVFPPEPEE
PEADQHQPFLFRHASYSSTSDCETDGYLSSSGFLDASDPALQPPGGVPSLAESHLCLPSAFALSIPRS
GPGSDFSPGDSYASDAASGLSDVGEGMGQMRRPPGRNLRPRSRRLRVTSVSDQNDRVVECQLQTHNSKM
VTRFDLDGDSPEEIAAAMVYNEFILPSERDGFRRIREIIQRVETLLKRDTGPMEEAEDTLSPQEEPAP
LPALPVPLPDPSNEELQSSTLEHRSWTAFTSSSSPGTPLSPGNPFSPGTPISP GPIFPITSPCHPSP
SPFSPISQVSSNPSPHPTSSPLPFSSTPEFPVPLSQCPWSSLPTTSPPTFSPTCSQVTLSSPFFPPCP
STSSFPSTTAAPLLSLASAFSLAVMTVAQSLLSPSPGLLSQSPPAPPSPPLSLPLPPPVPAGGQESPSPH
TAEVESEASPPPARPLPGEARLAPISEEGKQLVGRFQVTSSKEPAEPLPLQPTSPTLSGSPKPTPQLT
SESDTEDSAGGGPETREALAESDRAAEGLGAGVEEEDGDKEPQVGGSPQLSHPSPVMMNYSYSSLCL
SSESESSGEDEEFWAEQLSLRQKHLSEVETLQTLQKKEIEDLYSRLGKQPPPGIVAPAAMLSSRQRRLS
KGSFPTSRRNSLQRSEPPGPGIMRRNSLSGSSTGSQEQRASKGVTFAGDVGRM

SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

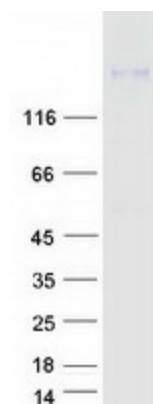
Tag: C-Myc/DDK
Predicted MW: 134.6 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining



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Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_115763
Locus ID:	65266
UniProt ID:	Q96J92
RefSeq Size:	4147
Cytogenetics:	17q21.2
RefSeq ORF:	3729
Synonyms:	PHA2B; PRKWNK4
Summary:	This gene encodes a member of the WNK family of serine-threonine protein kinases. The kinase is part of the tight junction complex in kidney cells, and regulates the balance between NaCl reabsorption and K(+) secretion. The kinase regulates the activities of several types of ion channels, cotransporters, and exchangers involved in electrolyte flux in epithelial cells. Mutations in this gene result in pseudohypoaldosteronism type IIB.[provided by RefSeq, Sep 2009]
Protein Families:	Druggable Genome, Protein Kinase

Product images:



Coomassie blue staining of purified WNK4 protein (Cat# TP323269). The protein was produced from HEK293T cells transfected with WNK4 cDNA clone (Cat# [RC223269]) using MegaTran 2.0 (Cat# [TT210002]).