

Product datasheet for PH323269

WNK4 (NM_032387) Human Mass Spec Standard

Product data:

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| Product Type: | Mass Spec Standards |
| Description: | WNK4 MS Standard C13 and N15-labeled recombinant protein (NP_115763) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC223269 |
| Predicted MW: | 134.6 kDa |
| Protein Sequence: | >RC223269 representing NM_032387 Red=Cloning site Green=Tags(s) |

MLASPATETTVLMSQTEADLALRPPPLGTAGQPRLGPPRRARRFSGKAEP RPRSSRLSRRSSVDLGLL
SSWSLPASPAPDPPDPPDSAGPGPARSPSSKEPPEGTWTEGAPVKA AEDSARPELPDSAVGPGSREPL
RVPEAVALERRREQEKEDMETQAVATSPDGRYLKFDIEIGRGSFKTVYRGLD TTTVEVAWCELQTRKL
SRAERQRFSEEVEMLKGLQHPNIVRFYDSWKSVLRGQVCIVLVT ELMTSGTLKTYLRRFREM KPRVLQRW
SRQILRGLHFLHSRVPPILHRDLKCDNVFITGPTGSVKIGDLGLATLKRASF AKSVIGTPEFMAPEMYEE
KYDEAVDVYAFGMCMLMATSEYPYSECQNAAQIYRKVTSGRKPN SFHKVKIPEVKEIEGCI RTDKNER
FTIQDLLAHAFFREERG VHVLA EEDDGEKPKLKLWLRMEDARRGGRPRDNQAI EFLQGRDAAEEVAQ
EMVALGLVCEADYQPVARAVRERVA AIQRKREKL RKARELEALPPEPGPPPATVPMAPGPPSVFPPEPEE
PEADQHQPFLFRHASYSSTTSDCETDGYLSSSGFLDASDPALQPPGGVPSLAESHLC LPSAFALSIPRS
GPGSDFSPGDSYASDAASGLSDVGE GGMQMRPPGRNLR RRRPRSRLRVTSVSDQNDRVVE CQLQTHNSKM
VTRFRDLGDGSPEEIAAAMVYNEFILP SERDGF LRRIREIIQRVETLLK RDTGPMEEAEDTLSPQE EPAP
LPALPVPLPDP SNEELQSSTSLEHRSWTFSTSSSPGTP LSPGNPFSPTGISPGI IFFITSPCHPSP
SPFSPISSQVSSNPSPHPTSSPLPFSSTPEFPVPLSQCPWSSLPTTSPPTFSPTCSQVTLSSPFFP PCP
STSSFPTTAAPLLSLASAFSLAVMTVAQSL LSPSPGLLSQSPPAPPSPLPSLPLPPP VAPGGQESPSPH
TAEVESEASPPPARPLPGEARLAPISEEGKQLVGRFQVTSSEKPAEPLPLQPTSPTLSGSPK PSTPQLT
SESSDTEDSAGGGPETREALAESDRAA EGLGAGVEEEGDDGKEPQVGGSPQPLSHPSPVMNYSYSSLCL
SSESESSGEDEEFWAELQSLRQKHLSEVETLQTLQKKEIEDLYSRLGKQPPPGIYAPAAMLSSRQRRLS
KGSFPTSRRNSLQRSEPPGPGIMRRNSL SGSSTGSQEQRASKGVTFAGDVGRM

SGP TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

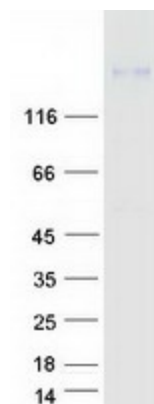
| | |
|------------------|--|
| Tag: | C-Myc/DDK |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Labeling Method: | Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine |



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| | |
|-------------------|---|
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3 |
| Storage: | Store at -80°C. Avoid repeated freeze-thaw cycles. |
| Stability: | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| RefSeq: | NP_115763 |
| RefSeq Size: | 4147 |
| RefSeq ORF: | 3729 |
| Synonyms: | PHA2B; PRKWINK4 |
| Locus ID: | 65266 |
| UniProt ID: | Q96J92 |
| Cytogenetics: | 17q21.2 |
| 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]).