

Active Recombinant Human WNK3 Protein, His tagged

Cat. No. WNK3-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human, Catalytic Domain (amino acids 1-434), His-tagged, expressed in insect cells. Activated in vitro via autophosphorylation.
Species	Human
Source	Insect cells
ProteinLength	1-434 aa
Description	This gene encodes a protein belonging to the 'with no lysine' family of serine-threonine protein kinases. These family members lack the catalytic lysine in subdomain II, and instead have a conserved lysine in subdomain I. This family member functions as a positive regulator of the transcellular Ca ²⁺ transport pathway, and it plays a role in the increase of cell survival in a caspase-3-dependent pathway. Alternative splicing results in multiple transcript variants.
Form	50 mM Tris (pH 7.5), 150 mM NaCl, 0.5 mM EDTA, 0.02% Triton X-100, 2 mM DTT and 50% Glycerol.
Bio-activity	30 nmoles of phosphate transferred to myelin basic protein (MBP) per minute per mg of total protein at 30 centigrade. Activity determined at a final protein concentration of 8.33 µg/mL.
Molecular Mass	53.4 kDa

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Purity	80% as determined by a SDS-PAGE gel stained with SimplyBlue SafeStain.
Storage	At -80 centigrade
Concentration	0.35 mg/mL total protein as measured using the Bradford protein assay with BSA as a standard. Calculated 6,550 nM.
Shipping	Dry ice

GENE INFORMATION

Gene Name	WNK3 WNK lysine deficient protein kinase 3 [Homo sapiens (human)]
Official Symbol	WNK3
Synonyms	WNK3; WNK lysine deficient protein kinase 3; PRKWNK3, protein kinase, lysine deficient 3; serine/threonine-protein kinase WNK3; protein kinase with no lysine 3; PRKWNK3; FLJ30437; FLJ42662; KIAA1566
Gene ID	65267
mRNA Refseq	NM_001002838
Protein Refseq	NP_001002838
MIM	300358
UniProt ID	Q9BYP7

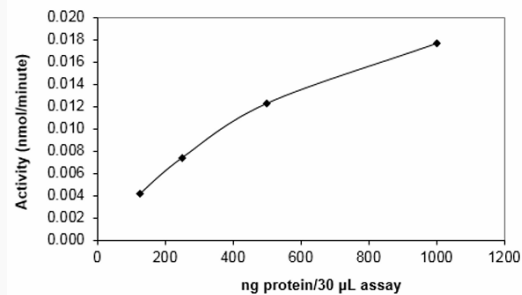
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Activity



SDS-PAGE

