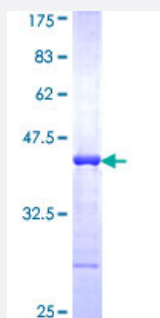


WNK3 (Human) Recombinant Protein (Q01)

Catalog # H00065267-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human WNK3 partial ORF (NP_065973, 1 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MATDSGDPASTEDSEKPDGISFENRVPQVAATLTVEARLKEKNSTFSASGETVERKRFFRKSVE MTEDDKVAESSPKDERIKAAMNIPRVDKLPSNVLRG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (81); Rat (78)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — WNK3

Entrez GeneID [65267](#)

GeneBank Accession# [NM_020922](#)

Protein Accession# [NP_065973](#)

Gene Name WNK3

Gene Alias KIAA1566, PRKWNK3

Gene Description WNK lysine deficient protein kinase 3

Omim ID [300358](#)

Gene Ontology [Hyperlink](#)

Gene Summary Members of the 'with no lysine' (WNK) kinase family, such as WNK3, are serine-threonine protein kinases that lack the almost invariant catalytic lysine in subdomain II, which is important for binding ATP in the catalytic site. Instead, these kinases have a conserved lysine in subdomain I that is thought to provide this function (Holden et al., 2004 [PubMed 15194194]).[supplied by OMIM]

Other Designations OTTHUMP00000023369|protein kinase, lysine deficient 3

Disease

- [Autistic Disorder](#)
- [Cardiovascular Diseases](#)
- [Chromosome Deletion](#)
- [Cleft Lip](#)

- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Mental Disorders](#)
- [Mental Retardation](#)