

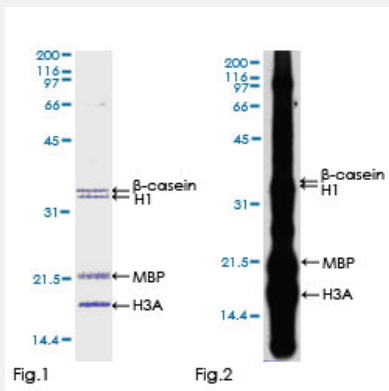
Full-Length

DYRK3 (Human) Recombinant Protein (P01)

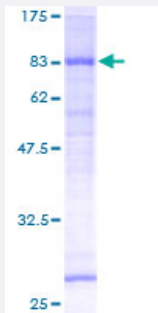
Catalog # H00008444-P01

Size 25 ug, 10 ug

Applications



Kinase Assay



Specification

Product Description

Human DYRK3 full-length ORF (AAH15501, 1 a.a. - 568 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence	MKWKEKLG DGVYDTFMMIDETKCPPCSNVLCNPSEPPPPRRLNMTTEQFTGDHTQHFLDGGEM KVEQLFQEFGNRKSNTIQSDGISDSEKCSPTVSQGKSSDCLNTVKSNSSSKAPKVVPLTPEQAL KQYKHHLTAYEKL EIIINYPEIFVGPNAKKRHGVIGGPNNGGYDDADGAYIHVPRDHLAYRYEVLKIIG KGSFGQVARVYDHLRQYVALKMVRNEKRFHRQAAEEIRILEHLKKQDKTGSMNVIHMLESFTR NHVCMAFELLSIDL YELIKKNKFQGF SVQLVHKFAQSILQSLDALHKNKIIHCDLKPENILLKHHGRS STKVIDFGSSCFEYQKLYTYQSRFYRAPEIILGSRYSTPIDWSFGCILAELLTGQPLFPGEDEGDQL ACMMELLGMPPPKLLEQSKRAKYFINSKGIPRYCSVTTQADGRVVLVGGRSRRGKKRGPPGSKD WGTALKGCDDYLFIEFLKRCLHWDPSARLTPAQALRHPWISKSVPRPLTTIDKVSGKRVVNPASA FQGLGSKLPPVVGIANKLKANLMSETNGSIPLCSVLPLKIS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	88.22
Interspecies Antigen Sequence	Mouse (89); Rat (91)
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

- Kinase Assay
[Protocol Download](#)
- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — DYRK3

Entrez GeneID	8444
GeneBank Accession#	BC015501
Protein Accession#	AAH15501
Gene Name	DYRK3
Gene Alias	DYRK5, RED, REDK, HYAK3-2
Gene Description	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3
Omim ID	603497
Gene Ontology	Hyperlink
Gene Summary	This gene product belongs to the DYRK family of dual-specificity protein kinases that catalyze autophosphorylation on serine/threonine and tyrosine residues. The members of this family share structural similarity, however, differ in their substrate specificity, suggesting their involvement in different cellular functions. The encoded protein has been shown to autophosphorylate on tyrosine residue and catalyze phosphorylation of histones H3 and H2B in vitro. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]
Other Designations	OTTHUMP00000034527 OTTHUMP00000034528 OTTHUMP00000034529 dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 5 protein kinase Dyrk3 regulatory erythroid kinase