

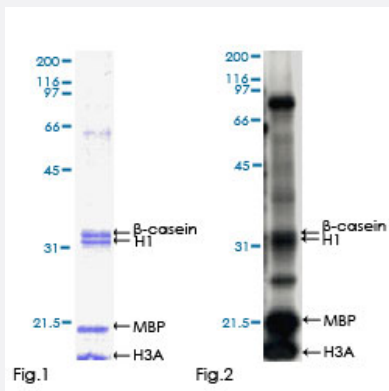
Full-Length

DYRK2 (Human) Recombinant Protein (P01)

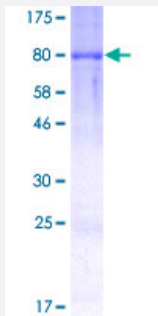
Catalog # H00008445-P01

Size 25 ug, 10 ug

Applications



Kinase Assay



Specification

Product Description

Human DYRK2 full-length ORF (AAH05809, 1 a.a. - 528 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence	MNDHLHVGSHAHGQIQVQQLFEDNSNKRTVLTTPNGLTTVGKTGLPVVPERQLDSIHRRQGSST SLKSMEGMGKVKATPMTPEQAMKQYMQKLTAFEHHEIFSYPEIYFLGLNAKKRQGMTGGPNNGG YDDDQGSYVQVPHDHVAYRYEVLKVIGKGSFGQVVKAYDHKVHQHVALKMVRNEKRFHRQAAE EIRILEHLRKQDKDNTMNVIHMLENFTFRNHICMTFELLSMNLIELIKKNKFQGFSLPLVRKFAHSILQ CLDALHKNRIIHCDLKPENILLKQQGRSGIKVIDFGSSCYEHQRVYTYQSRFYRAPEVILGARYGMP DMWSLGCILAEELLTGYP LLPGEDEGDQLACMIELLGMP SQKLLDASKRAKNFVSSKGYPRYCTVT TLDGGSVVLNGGRSRRGKLRGPPE SREWGNALGCDDPLFLDFLKQCLEWDP AVRMT PGQAL RHPWLRRRLPKPPTGEKTSVKRITESTGAITSISKLP PPSSSASKLR TNLAQMTDANGNIQQRTVLP KLVS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	83.82
Interspecies Antigen Sequence	Mouse (98); Rat (98)
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 — DYRK2

Entrez GeneID	8445
GeneBank Accession#	BC005809
Protein Accession#	AAH05809
Gene Name	DYRK2
Gene Alias	FLJ21217, FLJ21365
Gene Description	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2
Omim ID	603496
Gene Ontology	Hyperlink
Gene Summary	DYRK2 belongs to a family of protein kinases whose members are presumed to be involved in cellular growth and/or development. The family is defined by structural similarity of their kinase domains and their capability to autophosphorylate on tyrosine residues. DYRK2 has demonstrated tyrosine autophosphorylation and catalyzed phosphorylation of histones H3 and H2B in vitro. Two isoforms of DYRK2 have been isolated. The predominant isoform, isoform 1, lacks a 5' terminal insert. [provided by RefSeq]
Other Designations	-