

Active Recombinant Human DYRK4 Protein, Flag-tagged

Cat. No. DYRK4-2992H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DYRK4 (NP_003836.1, 1 a.a. - 520 a.a.) full-length recombinant protein with Flag tag expressed in baculovirus infected Sf21 cells.
Species	Human
Source	Insect Cells
Description	This gene encodes an enzyme that belongs to a conserved family of serine/threonine protein kinases. Members of this dual specificity kinase family are thought to function in the regulation of cell differentiation and proliferation, survival, and in development. Alternate splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Aug 2013]
Bio-activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg(or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by LabChip 3000. Substrate: DYRKtide. ATP: 100 μM.
Molecular Mass	61 kDa
Purity	60 % by SDS-PAGE/CBB staining

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Applications	Functional Study SDS-PAGE
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.1% CHAPS, 1 mM DTT, 10% glycerol)

GENE INFORMATION

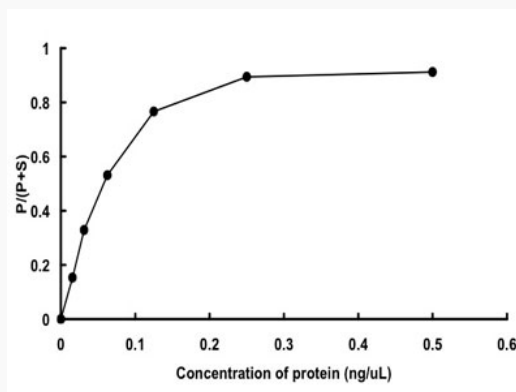
Gene Name	DYRK4 dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 4 [Homo sapiens]
Official Symbol	DYRK4
Synonyms	DYRK4; dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 4; dual specificity tyrosine-phosphorylation-regulated kinase 4;
Gene ID	8798
mRNA Refseq	NM_003845
Protein Refseq	NP_003836
MIM	609181
UniProt ID	Q9NR20

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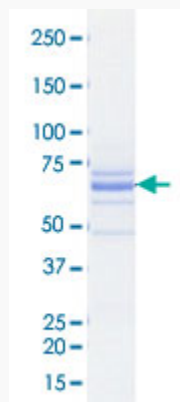
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Result of activity analysis



Quality Control Testing



Loading 1 µg protein in SDS-PAGE

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