Recombinant Human YWHAQ protein, MYC/DDK-tagged

Cat. No. YWHAQ-123H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human YWHAQ fussed with MYC/DDK tag at C-terminal was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene product belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 99% identical to the mouse and rat orthologs. This gene is upregulated in patients with amyotrophic lateral sclerosis. It contains in its 5' UTR a 6 bp tandem repeat sequence which is polymorphic, however, there is no correlation between the repeat number and the disease.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	27.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	YWHAQ tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta [Homo sapiens]
Official Symbol	YWHAQ
Synonyms	1C5; HS1; 14-3-3; 14-3-3 protein theta; 14-3-3 protein T-cell; 14-3-3 protein tau; tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide
Gene ID	10971
mRNA Refseq	NM_006826
Protein Refseq	NP_006817
MIM	609009
UniProt ID	P27348
Chromosome Location	2p25.1
Pathway	Activation of BAD and translocation to mitochondria, organism-specific biosystem; Activation of BH3-only proteins, organism-specific biosystem; Apoptosis, organism-specific biosystem
Function	protein N-terminus binding; protein binding; protein domain specific binding

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