

Recombinant Human Tyrosine 3-monooxygenase/ Tryptophan 5-monooxygenase Activation Protein, Theta Polypeptide

Cat. No. YWHAQ-13H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human YWHAQ was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques, 27 kDa (245 aa).
Species	Human
Source	<i>E.coli</i>
Description	The 14-3-3 family of proteins plays a key regulatory role in signal transduction, checkpoint control, apoptotic and nutrient-sensing pathways. 14-3-3 proteins are highly conserved and ubiquitously expressed. There are at least seven isoforms, β , γ , ϵ , σ , ζ , τ and η that have been identified in mammals. The 14-3-3 tau, a subtype of the 14-3-3 family of proteins, was found in T Cells, brain and testes. This 14-3-3 tau is upregulated in patients with amyotrophic lateral sclerosis.
Sequences of amino acids	MEKTELIQKA KLAEQAERYD DMATCMKAVT EQGAELSNEE RNLLSVAYKN VVGRRSAWR VISSIEQKTD TSDKKLQLIK DYREKVESEL RSICTTVLEL LDKYLINAT NPESKVFYLK MKGDYFRYLA EVACGDDRKQ TIDNSQGAYQ EAFDISKKEM QPTHPIRLGL ALNFSVFYFE ILNNPELACT LAKTAFDEAI AELDTLNEDS YKDSTLIMQL LRDNLTLWTS DSAGEECDAA EGAEN
Formulation	Liquid in 20 mM Tris pH 8.0
Purity	> 95% by SDS - PAGE

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Concentration	1 mg/ml (determined by Bradford assay)
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
GENE INFORMATION	
Gene Name	YWHAQ tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide[Homo sapiens]
Synonyms	14-3-3 theta; 14-3-3 tau; 14-3-3 T-cell; HS1; YWHAQ; 1C5;14-3-3; tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide; tyrosine 3/tryptophan 5 -monooxygenase activation protein, theta polypeptide protein tau; 14-3-3 protein tau; OTTHUMP00000015730; 14-3-3 protein theta; 14-3-3 protein T-cell; Protein HS1; tyrosine 3/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	Cell cycle; Pathogenic Escherichia coli infection – EHEC; Pathogenic Escherichia coli

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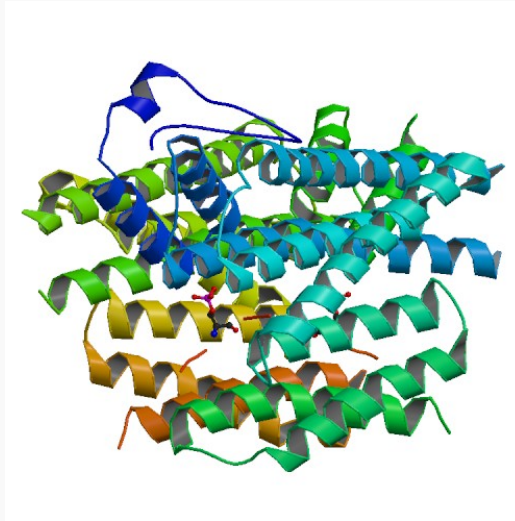
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infection - EPEC

Function

protein N-terminus binding; protein domain specific binding

PDBrendering based
on 2btp. Available
structures:2btp



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