

Recombinant Human Tyrosine 3-Monooxygenase/Tryptophan 5-Monooxygenase Activation Protein, Gamma Polypeptide

Cat. No. YWHAG-6934H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human YWHAG was expressed in E. coli and purified by using conventional chromatography techniques. MW: 28 kDa.
Species	Human
Source	E.coli
ProteinLength	1-247aa
Description	The 14-3-3 family of proteins plays a key regulatory role in signal transduction, checkpoint control, apoptotic and nutrient-sensing pathways. The YWHAG, a subtype of the 14-3-3 family of proteins, was thought to be brain and neuron-specific.
Form	Liquid in 20mM Tris (pH 7.4).
Molecular Mass	28 kDa (247 aa), confirmed by MALDI-TOF.
AA Sequence	MVDREQLVQK ARLAEQAERY DDMAAAMKNV TELNEPLSNE ERNLLSVAYK NVVGARRSSW RVISSIEQKT SADGNEKKIE MVRAYREKIE KELEAVCQDV LSLLDNYLIK NCSETQYESK VFYLMKMGDY YRYLAEVATG EKRA TVV ESS EKAYSEAHEI SKEHMQP THP IRLGLALNYS VFYYEIQNAP EQACHLAKTA FDDAIAELDT LNEDSYKDST LIMQLLRDNL TLWTSDQQDD DGGEGNN
Endotoxin	< 1.0 eu per 1 ug of protein (determined by lal

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Purity	>95% by SDS - PAGE
Applications	SDS-PAGE
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.
Concentration	1 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	YWHAG tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide [Homo sapiens]
Official Symbol	YWHAG
Synonyms	YWHAG; tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide; 14-3-3 protein gamma; 14 3 3 gamma; KCIP-1; 14-3-3 gamma; protein kinase C inhibitor protein 1; 14-3-3GAMMA;
Gene ID	7532
mRNA Refseq	NM_012479
Protein Refseq	NP_036611
MIM	605356
UniProt ID	P61981
Chromosome Location	7q11.23

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Pathway

Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Centrosome maturation, organism-specific biosystem;

Function

insulin-like growth factor receptor binding; protein binding; protein domain specific binding; protein kinase C binding; protein kinase C inhibitor activity; receptor tyrosine kinase binding;

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