

Recombinant Human YWHAG Protein, GST-tagged

Cat. No. YWHAG-147H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human YWHAG fused with GST tag at C-terminal was expressed in Insect cells.
Species	Human
Source	E.coli
Description	<p>14-3-3 gamma (also known as tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide) is a member of the 14-3-3 family and is involved in mediating signal transduction by binding to phosphoserine-containing proteins. 14-3-3 gamma can interact with various signaling components including RAF1 and protein kinase C. Various growth factors can induce expression of 14-3-3 gamma in skeletal and heart muscles, suggesting an important role for this protein in muscle tissue. Upregulation of 14-3-3 gamma plays a specific protective role in astrocytes under ischemia. Elevation of 14-3-3 gamma protein in astrocytes promotes survival, while a decrease in 14-3-3 gamma enhances apoptosis in astrocytes under ischemia.</p>
Form	50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol
Molecular Mass	55 kDa
Purity	> 90%

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Applications	Western Blot
Stability	1 year at -70 centigrade from date of shipment.
Storage	Store product at -70centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.2 ug/ml

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

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