

Recombinant Human AMPH protein, GST-tagged

Cat. No. AMPH-312H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AMPH(1 a.a. - 695 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-695 a.a.
Description	This gene encodes a protein associated with the cytoplasmic surface of synaptic vesicles. A subset of patients with stiff-man syndrome who were also affected by breast cancer are positive for autoantibodies against this protein. Alternate splicing of this gene results in two transcript variants encoding different isoforms. Additional splice variants have been described, but their full length sequences have not been determined. A pseudogene of this gene is found on chromosome 11.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	102.19 kDa
AA Sequence	MADIKTGIFAKNVQKRLNRAQEKVLQKLGADETKDEQFEEYVQNFKRQEAEGTRL QRELRGYLA AIKGMQEASMKLTESLHEVYEPDWYGREDVKMVGEKCDVLWEDFHQ KLVDGSLTLDTYLGQFPDIKNRIAKRSRKLVDYDSARHHLEALQSSKRKDESRISKA EEEFQKAQKVFEFNVDLQEELPSLWSRRVGFYVNTFKNVSSLEAKFHKEIAVLCHK LYEVMTKLGDQHADKAFTIQGAPSDSGPLRIAKTPSPPEEPSPLPSPTASPNHTLAP

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ASPAPARPRSPSQTRKGPPVPPLPKVTPTKELQQENIISFFEDNFVPEISVTTSPSQNE
VPEVKKEETLLDLDFDPFKPEVTPAGSAGVTHSPMSQTLPWDLWTTSTD LVQPASG
GSFNGFTQPQDTSLFTMQTDQSMICNLAESEQAPPTEPKAEEPLAAVTPAVGLDLG
MDTRAEEPVEEAVIIPGADADA AVGTLVSA AEGAPGEEAE AETATVPAGEGVSLEEA
KIGTETTEGAESAQPEAE ELEATVPQEKVIPSVVIEPASNHEEEGENEITIGAEPKETT
EDAAPPGPTSETPELATEQKPIQDPQPTPSAPAMGAADQLASAREASQELPPGFLY
KVETLHDFEAANSDELTLQRGDVVLVVPDSEADQDAGWLGVKESDWLQYRDLA
TYKGLFPENFTRRLD

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION**Gene Name**

AMPH amphiphysin [Homo sapiens]

Official Symbol

AMPH

Synonyms

AMPH; amphiphysin; amphiphysin (Stiff Man syndrome with breast cancer 128kDa autoantigen) , amphiphysin (Stiff Mann syndrome with breast cancer 128kD autoantigen); amphiphysin I; amphiphysin (Stiff-Mann syndrome with breast cancer 128kD autoantigen); AMPH1;

Gene ID

273

mRNA Refseq

NM_001635

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Protein Refseq	NP_001626
MIM	600418
UniProt ID	P49418
Chromosome Location	7p14-p13
Pathway	Fc gamma R-mediated phagocytosis, organism-specific biosystem; Fc gamma R-mediated phagocytosis, conserved biosystem; Internalization of ErbB1, organism-specific biosystem; Monoamine Transport, organism-specific biosystem;
Function	protein C-terminus binding; protein binding; protein heterodimerization activity;
	