

Recombinant Human AMPH Protein, His-tagged

Cat. No. AMPH-402H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AMPH(Val24~Lys241) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Val24~Lys241
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	100mMNaHCO ₃ , 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Molecular Mass	29.3kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in 100mM NaHCO ₃ , 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

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
Protein Refseq	NP_001626

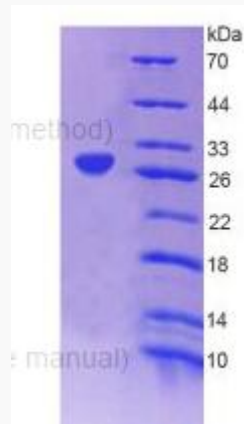
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MIM 600418

UniProt ID P49418



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