

GSPT1 Protein, Human, Recombinant (His & Myc)

General Information

Synonyms:	Eukaryotic peptide chain release factor GTP-binding subunit ERF3A;ERF3A;Eukaryotic peptide chain release factor subunit 3a;GSPT1;G1 to S phase transition protein 1 homolog
Protein Construction:	1-499 aa
Species:	Human
Expression Host:	P. pastoris (Yeast)
Accession:	P15170
Molecular Weight:	59.8 kDa (predicted)
AA Sequence:	MELSEPIVENGETEMSPESWEHKEEISEAEPGGGSLGDGRPPEESAHEMMEEEEEIPKPKSVVAPPGAPKKE HVNWFVFIGHVDAGKSTIGGQIMYLTGMVDKRTLEKYEREAKEKNRETWYLSWALDTNQEERDKGKTVEVGRA YFETEKKHFTILDAPGHKSFVPMIGGASQADLAVLVISARKGEFETGFEKGGQTRHAMLAKTAGVKHLIVLI NKMDDPTVNSNEREYEECKELVPFLKKVGFNPKKDIHFMPCSGLTGANLKEQSDFCPWYIGLPFIPYLDNL PNFNRSVDGPRLPIVDKYKDMGTVVLGKLESGSICKGQQLVMMPNKHNVVLGILSDDVETDTVAPGENLKI RLKGIEEEEILPGFILCDPNNLCHSGRTFDAQIVIEHKSIIICPGYNAVLHIHTCIEEVEITALICLVDDKKSGEKSKTR PRFVKQDQVCIARLRTAGTICLETFKDFPQMGRFTLRDEGKTIAGKVLKLVPEKD

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Involved in translation termination in response to the termination codons UAA, UAG and UGA. Stimulates the activity of ETF1. Involved in regulation of mammalian cell growth. Component of the transient SURF complex which recruits UPF1 to stalled ribosomes in the context of nonsense-mediated decay (NMD) of mRNAs containing premature stop codons. Required for SHFL-mediated translation termination which inhibits programmed ribosomal frameshifting (-1PRF) of mRNA from viruses and cellular genes.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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