

Recombinant Human GSPT2 Protein, GST-tagged

Cat. No. GSPT2-4403H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human GSPT2 full-length ORF (AAH36077.1, 1 a.a. - 628 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	GSPT2 is closely related to GSPT1 (MIM 139259), a GTP-binding protein that plays an essential role at the G1- to S-phase transition of the cell cycle in yeast and human cells. GSPT1 is a positive regulator of translational accuracy and, in a binary complex with eRF1 (MIM 600285), functions as a polypeptide chain release factor.[supplied by OMIM
Molecular Mass	95.4 kDa
AA Sequence	MDSGSSSSDSAPDCWDQVDMESTGSAPSGDGVSSAVAEAQREPLSSAFSRKLNV NAKPFVPNVHAAEFVPSFLRGPTQPPTLPAGSGSNDETCTGAGYPQGKRMGRGAP VEPSREEPLVSLEGSNSAVTMELSEPVVENGEVEMALEESWEHSKEVSEAEPGGG SSGDSGPPEESGQEMMEEKEEIRKSKSVIVPSGAPKKEHVNVVFIGHVVDAGKSTIGG QIMFLTGMVDKRTLEKYEREAKEKNRETWYLSWALDTNQEERDKGKTVEVGRAYF ETERKHFTILDAPGHKSFVPMNIGGASQADLAVLVISARKGEFETGFEEKGGQTREHA MLAKTAGVKHLIVLINKMDDHTVNWSIEREYEECKEKLVPFLKKGVFSPKKDIHFMPCS GLTGANIKEQSDFCPWYTGLPFIPYLDNLPNFRNSIDGPIRLPIVDKYKDMGTVVLGK LESGSIFKGQQLVMMPNKHNVVGLGILSDDTETDFVAPGENLKIRLKGIEEEEILPGFI

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LCDPSNLCHSGRTFDVQIVIIIEHKSIIICPGYNAVLHIHTCIEEVEITALISLVDKKSGEKS
KTRPRFVKQDQVCIARLRTAGTICLETFKDFPQMGRFTLRDEGKTIAGKVLKLVQEK
D

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 -8 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer
50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [GSPT2 G1 to S phase transition 2 \[Homo sapiens \]](#)

Official Symbol [GSPT2](#)

Synonyms
GSPT2; G1 to S phase transition 2; eukaryotic peptide chain release factor GTP-binding subunit ERF3B; eRF3b; FLJ10441; eukaryotic peptide chain release factor subunit 3b; GST2; ERF3B;

Gene ID [23708](#)

mRNA Refseq [NM_018094](#)

Protein Refseq [NP_060564](#)

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MIM	300418
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UniProt ID	Q8IYD1
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