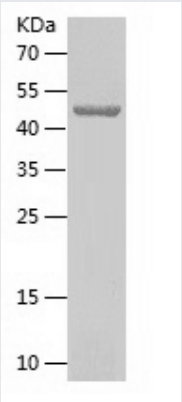
GTSE1 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	GTSE1, Recombinant Protein
Full Product Name	Recombinant Human GTSE1
Product Gene Name	GTSE1 recombinant protein
Product Synonym Names	B99; G 2 and S phase expressed 1; GTSE 1; GTSE1; Protein B99 homolog
Host	E Coli
Form/Format	Lyophilized from a 0.2 um filtered solution in 10 mM Hepes, 500 mM NaCl with 5% trehalose and 0.06% proclin, pH7.4
Purity/Purification	Greater than 90% by SDS-PAGE gel analyses
Preparation and Storage	Store at -20 degree C for 12 months as lyophilized; 2-8 degree C for 1 month under sterile conditions after reconstitution
Molecular Weight	720
Sequence Positions	512-720
OMIM	607477
3D Structure	ModBase 3D Structure for Q9NYZ3
Species	Human
Tag	N-terminal His-IF2DI Tag
Reconstitution	Centrifuge the vial at 10,000 rpm for 1 minute, reconstitute at 200 ug/ml in sterile distilled water by gentle pipetting 2-3 times, don't vortex
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for GTSE1 recombinant protein	Western Blot (WB), ELISA (EIA)
Related Product Information for GTSE1 recombinant protein	MBS7615833 is a recombinant protein targeting GTSE1. Also known as Recombinant Human GTSE1. Host: E Coli.
Other Notes	Small volumes of GTSE1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of GTSE1 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GTSE1. It may not necessarily be applicable to this product.

NCBI GI #	317373439
NCBI GeneID	51512
NCBI Accession #	Q9NYZ3.3
UniProt Primary Accession #	Q9NYZ3
UniProt Secondary Accession #	Q20WK2; Q53GX5; Q5R3I6; Q6DHX4; Q9BRE0; Q9UGZ9; Q9Y557; B0QYM3
UniProt Related Accession #	Q9NYZ3
NCBI Official Full Name	G2 and S phase-expressed protein 1
NCBI Official Synonym Full Names	G-2 and S-phase expressed 1
NCBI Official Symbol	GTSE1
NCBI Official Synonym Symbols	B99
UniProt Protein Name	G2 and S phase-expressed protein 1
UniProt Synonym Protein Names	Protein B99 homolog
Protein Family	G2 and S phase-expressed protein
UniProt Gene Name	GTSE1
UniProt Synonym Gene Names	GTSE-1
UniProt Entry Name	GTSE1_HUMAN
NCBI Protein Information	G2 and S phase-expressed protein 1; protein B99 homolog
NCBI Summary for GTSE1	The protein encoded by this gene is only expressed in the S and G2 phases of the cell cycle, where it colocalizes with cytoplasmic tubulin and microtubules. In response to DNA damage, the encoded protein accumulates in the nucleus and binds the tumor suppressor protein p53, shuttling it out of the nucleus and repressing its ability to induce apoptosis. [provided by RefSeq, Jul 2008]

UniProt Comments for GTSE1	GTSE1: May be involved in p53-induced cell cycle arrest in G2/M phase by interfering with microtubule rearrangements that are required to enter mitosis. Overexpression delays G2/M phase progression. Protein type: Apoptosis; Cell cycle regulation Chromosomal Location of Human Ortholog: 22q13.2-q13.3 Cellular Component: membrane; cytoplasmic microtubule Molecular Function: protein binding Biological Process: DNA damage response, signal transduction by p53 class mediator resulting in cell cycle arrest; microtubule-based process
Research Articles on GTSE1	**1.** GTSE1 is a microtubule plus-end tracking protein that regulates EB1-dependent cell migration.
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