



# Recombinant Human G2 and S phase-expressed protein 1 (GTSE1)

<b>Product Code</b>	CSB-MP889155HU
<b>Abbreviation</b>	GTSE1
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9NYZ3
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MDDPKKEDIL LLADEKDFDFD LSLSSSSANE DDEVFFGPFPG HKERCIAASL ELNNPVPEQP PLPTSESPFA WSPLAGEK FV EVYKEAHLA LHISSSRNQ AAQAAKPEDP RSQGVERFIQ ESKLKINLFE KEKEMKKSPT SLKRETY YLS DSPLLGPPVG EPRLLASSPA LPSSGAQARL TRAPGPPHSA HALPRESCTA HAASQAATQR KPGTKLLLPR AASVRGRSIP GAAEKPKKEI PASPSRTKIP AEKESHRDVL PDKPAPGAVN VPAAGSHLGQ GKRAIPVPNK LGLKKTLLKA PGSTSNLARK SSSGPVWSGA S SACTSPAVG KAKSSEFASI PANSSRPLSN ISKSGRMGPA MLRPALPAGP VGASSWQAKR VDVSELA AEQ LTAPPSASPT QPQTPEGGGQ WLNSSCAWSE SSQLNKTRSI RRRD SCLNSK TKVMPTPTNQ FKIPKFSIGD SPDSSTPKLS RAQR PQSCTS VGRVTVHSTP VRRSSGPAPQ SLLSAWRVSA LPTPASRRCS GLPPMTPKTM PRAVGSPLCV PARRRSSEPR KNSAMRTEPT RESNRKTDSR LVDVSPDRGS PPSRVPQALN FSPEESDSTF SKSTATEVAR EEAKPGGDAA PSEALLVDIK LEPLAVTPDA ASQPLIDLPL IDFCDTPEAH VAVGSESRPL IDLMTNTPDM NKNVAKPSPV VGQLIDLSSP LIQLSPEADK ENVDSPLLKF
<b>Source</b>	Mammalian cell
<b>Target Names</b>	GTSE1
<b>Protein Names</b>	Recommended name: G2 and S phase-expressed protein 1 Short name= GTSE-1 Alternative name(s): Protein B99 homolog
<b>Expression Region</b>	1-720
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	This protein 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.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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