G Protein Beta Subunit Like Protein (GbL) Recombinant Protein | GbL recombinant protein

Recombinant G Protein Beta Subunit Like Protein (GbL)

CATALOG #	HOST	APPLICATIONS
AAA133990	**E Coli**	**Western Blot, SDS-Page**

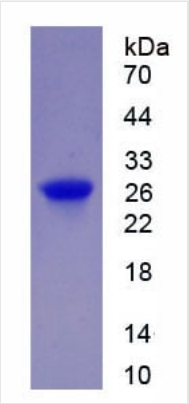
PRODUCT SYNONYMS

G Protein Beta Subunit Like Protein (GbL); Recombinant G Protein Beta Subunit Like Protein (GbL); GbL recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Concentration	Original Concentration: 200 Ug/mL (varies by lot)
Applicable Applications for GbL recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Organism Species	Homo sapiens (Human)
Source	Prokaryotic expression
Residues	Asp69~Trp247
Tags	N-terminal His Tag
Subcellular Location	Cytoplasm
Traits	Freeze-dried powder
Buffer formulation	100mM$NaHCO_3$, 500mMNaCl, pH8.3, containing 0.01% SKL, 5% Trehalose.
Usage	Reconstitute in 100mM NaHCO3, 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Predicted isoelectric point	5.1
Predicted Molecular Mass	23.5kDa
Accurate Molecular Mass	28kDa as determined by SDS-PAGE reducing conditions.
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8ºC for one month. Aliquot and store at -80ºC for 12 months. Stability Test: 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°C 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.

IMAGES



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	312596910
NCBI GeneID	64223
NCBI Accession #	NP_001186102.1
NCBI GenBank Nucleotide #	NM_001199173.1
UniProt Accession #	Q9BVC4; Q5M800; Q86Y18; Q8WUI5; Q9HA66; Q9UJV6; B3KMM4; B4DY00; D3DU88
NCBI Official Full Name	target of rapamycin complex subunit LST8 isoform a
NCBI Official Synonym Full Names	MTOR associated protein, LST8 homolog (S. cerevisiae)
NCBI Official Symbol	MLST8
NCBI Official Synonym Symbols	GBL; LST8; POP3; WAT1; GbetaL
NCBI Protein Information	target of rapamycin complex subunit LST8; gable; protein GbetaL; TORC subunit LST8; mammalian lethal with SEC13 protein 8
UniProt Protein Name	Target of rapamycin complex subunit LST8
UniProt Gene Name	**MLST8**
UniProt Synonym Gene Names	GBL; LST8; TORC subunit LST8; Gable; Protein GbetaL; mLST8
UniProt Entry Name	LST8_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/mlst8-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/133990