

LY6E Protein, Mouse, Recombinant (His & SUMO)

General Information

Synonyms:	Tsa-1;Ly-6E;Ly67;Sca-2;Lymphocyte antigen 6E;Ly6e;Thymic shared antigen 1 (TSA-1);Stem cell antigen 2
Protein Construction:	27-108 aa
Species:	Mouse
Expression Host:	P. pastoris (Yeast)
Accession:	Q64253
Molecular Weight:	24.8 kDa (predicted)
AA Sequence:	LMCFSDTDQKNNINCLWPVSCQEKDHYCITLSAAAGFGNVNLGYTLNKGCSPICPSENVNLNLGVASVNSYCCQSSFCNFSA

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:	> 90% 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:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

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

GPI-anchored cell surface protein that regulates T-lymphocytes proliferation, differentiation, and activation. Regulates the T-cell receptor (TCR) signaling by interacting with component CD3Z/CD247 at the plasma membrane, leading to CD3Z/CD247 phosphorylation modulation. Restricts the entry of murine coronavirus, mouse hepatitis virus, by interfering with spike protein-mediated membrane fusion. Plays also an essential role in placenta formation by acting as the main receptor for syncytin-A (SynA). Therefore, participates in the normal

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fusion of syncytiotrophoblast layer I (SynT-I) and in the proper morphogenesis of both fetal and maternal vasculatures within the placenta. May also act as a modulator of nicotinic acetylcholine receptors (nAChRs) activity. In vitro inhibits alpha-3:beta-4-containing nAChRs maximum response.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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