

LY6H Protein, Human, Recombinant (His)

General Information

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| Synonyms: | Ly-6H;LY6H;Lymphocyte Antigen 6H |
| Protein Construction: | Leu26-Gly115 |
| Species: | Human |
| Expression Host: | HEK293 Cells |
| Accession: | O94772 |
| Molecular Weight: | 18 KDa (reducing condition) |
| AA Sequence: | Leu26-Gly115 |

QC Testing

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| 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: | Greater than 95% as determined by reducing SDS-PAGE. (QC verified) |
| Endotoxin: | < 0.1 ng/μg (1 EU/μg) as determined by LAL test. |
| Formulation: | Lyophilized from a solution filtered through a 0.22 μm filter, containing 20 mM PB, 150 mM NaCl, pH 7.4. |

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

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

Lymphocyte Antigen 6H (LY6H) is a novel member of the LY6 family of glycosylphosphatidylinositol-anchored cell surface glycoproteins. LY6H contains one UPAR/Ly6 domain. Human LY6H is synthesized as a 140 amino acid precursor that contains a 25 amino acid signal sequence, 20 amino acid propeptide that is removed in the mature form, and a 90 amino acid mature chain. LY6H is highly expressed in the brain (cerebral cortex, amygdala, hippocampus and subthalamic nucleus) and in acute human leukemic cell line MOLT-3. It is also found in lower

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levels in testis, pancreas, small intestine and colon. It has been shown that LY6H may play a role in both the central nervous system and the immune system.

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