Data Sheet (Cat.No.TMPY-03006)

CHODL Protein, Rat, Recombinant (hFc)

General Information

Synonyms:	chondrolectin
Protein Construction:	A DNA sequence encoding the rat CHODL (D3ZI86) (Met1-Asn216) was expressed, fused with the Fc region of human IgG1 at the C-terminus. Predicted N terminal: Arg 22
Species:	Rat
Expression Host:	HEK293 Cells
Accession:	D3ZI86
Molecular Weight:	48.9 kDa (predicted); 60 kDa (reducing conditions)

QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

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:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. 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.

Shipping:

In general, Lyophilized powders are shipping with blue ice.

Reference

Weng L,et al.(2003) A novel alternative spliced chondrolectin isoform lacking the transmembrane domain is expressed during T cell maturation. J Biol Chem. 278(21): 19164-70.
Masuda K,et al.(2011) Chondrolectin is a novel diagnostic biomarker and a therapeutic target for lung cancer. Clin Cancer Res. 17(24): 7712-22.
Weng L,et al.(2002) Molecular cloning and characterization of human chondrolectin, a novel type I transmembrane protein homologous to C-type lectins. Genomics. 80(1): 62-70.

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