Data Sheet (Cat.No.TMPY-02683)

TargetMol

CSAG1 Protein, Human, Recombinant (hFc)

General Information

Synonyms:	CSAGE;CT24.1;chondrosarcoma associated gene 1
Protein Construction:	A DNA sequence encoding the human CSAG1 (AAH59947.1) (Asp20-Pro78) was fused with the Fc region of human IgG1 at the N-terminus. Predicted N terminal: Glu
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q6PB30-1
Molecular Weight:	35.2 kDa (predicted); 37 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:	> 90 % 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.

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.

Reference

Lin C,et al.(2002) Cancer/testis antigen CSAGE is concurrently expressed with MAGE in chondrosarcoma. Gene. 285 (1-2): 269-78.

Levin L. CSage: Use of a Configurable Semanticallly Attributed Graph Editor as Framework for Editing and Visualization.

Lee K,et al.(2010) Low-Complexity Leakage-Based Carrier Frequency Offset Estimation Techniques for OFDMA Uplink Systems.