Recombinant Human CD44 Protein (Gln21-Pro220), C-hFc-tagged

Product Information

Cat	*IMP-10338*
Official Symbol	*CD44*
Product Overview	*Recombinant human CD44 Fc Chimera protein (Gln21-Pro220) with a Human IgG1 (Pro100-Lys330) Fc tag at C-terminus was expressed in Mouse myeloma cell line*
Description	*The protein encoded by this gene is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). This protein participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis. Transcripts for this gene undergo complex alternative splicing that results in many functionally distinct isoforms, however, the full length nature of some of these variants has not been determined. Alternative splicing is the basis for the structural and functional diversity of this protein, and may be related to tumor metastasis.*
Expression System	*Mouse myeloma cell line*
Species	*Human*
Tag	*C-hFc*
Predicted N Terminal	*Gln21*
Form	*Lyophilized from a 0.2 μm filtered solution in PBS.*
Molecular Mass	*Predicted Molecular Mass: 48.6 kDa (monomer) SDS-PAGE: 72-86 kDa, reducing conditions*
Protein length	*Gln21-Pro220*
Bio-activity	*Measured by its ability to bind biotinylated hyaluronan in a functional ELISA with an estimated Kd*
Endotoxin	
Purity	*>90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.*
Storage	*Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.*

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Reconstitution	*Reconstitute at 100 µg/mL in sterile PBS.*

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