Active Recombinant Human LYPD8 protein, Fc-tagged

Cat. No. LYPD8-334H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LYPD8(Leu20-Asn215) fused with Fc of Human IgG1 at C-terminal was expressed in CHO.
Species	Human
Source	CHO
ProteinLength	20-215 a.a.
Description	Ly6/PLAUR domain containing 8 (LYPD8), is a GPI-linked protein with structural similarity to the urokinase-type plasminogen activator receptor (uPAR). Mature human LYPD8 contains one uPAR/Ly6 domain and a Ser/Thr/Pro-rich (STP) region that may serve as a target for protease mediated shedding as has been shown for the related C4.4A/LYPD3 molecule. Mature human LYPD8 shares 40% amino acid sequence identity with mouse and rat LYPD8.
Predicted N Terminal	Leu20
Form	Lyophilized from a 0.2 μm filtered solution in PBS.
Bio-activity	Measured by its binding ability in a functional ELISA. When Recombinant Human LYPD8 Fc Chimera is coated at 2 μg/mL, Recombinant Human Galectin-3 binds with a typical ED50 = 90-540 ng/mL.
Molecular Mass	Predicted Molecular Mass: 48 kDa;SDS-PAGE: 85-100 kDa, reducing conditions.

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Endotoxin	<0.10 EU per 1 μg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	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.
Reconstitution	Reconstitute at 500 μg/mL in PBS.

GENE INFORMATION

Gene Name	LYPD8 LY6/PLAUR domain containing 8 [Homo sapiens]
Official Symbol	LYPD8
Synonyms	phospholipase inhibitor
Gene ID	646627
mRNA Refseq	NM_001085474
Protein Refseq	NP_001078943
MIM	617067
UniProt ID	Q6UX82
Chromosome	1q44

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Location	

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