



Recombinant Mouse GPRC5D VLP (DAG-WT1228)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Species	Mouse
Purity	> 95% as determined by HPLC
Conjugate	N/A
Applications	ELISA
Molecular Weight	39.9 kDa
Reconstitution	Reconstituting to a concentration more than 100 ug/ml is recommended. Dissolve the lyophilized protein in distilled water.
Format	Lyophilized
Size	100 µg, 500 µg
Buffer	Lyophilized from 0.22µm filtered solution in PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization
Preservative	None
Storage	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week

BACKGROUND

Introduction	G protein–coupled receptor, class C, group 5, member D (GPRC5D) is a bona fide target for rationally designed immunotherapeutic strategies owing to its preferential expression on plasma cells, with preclinical studies showing activity in a BCMA antigen escape model. ⁵ GPRC5D
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expression on CD138 cells is independent of BCMA expression. Normal tissue expression is restricted to skin (hair follicles and eccrine glands) and the testis (seminiferous tubules), thus the potential for undesired on target/off-tumor effects is small. Currently, multiple innovative GPRC5D-targeted treatment modalities, including cell-based and antibody-based, are under active clinical development.

Keywords	GPRC5D; G protein-coupled receptor class C group 5 member D
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GENE INFORMATION

UniProt ID	Q9JIL6-1
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