

Recombinant Human GRM5 Protein (P569-K678, E579A, N667Y, I669A, G675M, K679-A836, T742A, S753A), Flag, His tagged

Cat. No. GRM5-0501H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GRM5(P569-K678) (E579A, N667Y, I669A, G675M)-T4L-GRM5(K679-A836) (T742A, S753A)-10His Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	P569-K678, E579A, N667Y, I669A, G675M, K679-A836, T742A, S753A
Description	G-protein coupled receptor for glutamate. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors. Signaling activates a phosphatidylinositol-calcium second messenger system and generates a calcium-activated chloride current. Plays an important role in the regulation of synaptic plasticity and the modulation of the neural network activity.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	GRM5 glutamate receptor, metabotropic 5 [Homo sapiens (human)]
Official Symbol	GRM5
Synonyms	GRM5; glutamate receptor, metabotropic 5; metabotropic glutamate receptor 5; GPRC1E; mGlu5; MGLUR5; metabotropic glutamate receptor 5 variant F; metabotropic glutamate receptor 5 variant G; metabotropic glutamate receptor 5 variant H;
Gene ID	2915
mRNA Refseq	NM_000842
Protein Refseq	NP_000833
MIM	604102
UniProt ID	P41594

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