

Recombinant Human GRM8 Protein, GST-tagged

Cat. No. GRM8-5374H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GRM8 partial ORF (NP_000836, 486 a.a. - 575 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	L-glutamate is the major excitatory neurotransmitter in the central nervous system and activates both ionotropic and metabotropic glutamate receptors. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. The metabotropic glutamate receptors are a family of G protein-coupled receptors, that have been divided into 3 groups on the basis of sequence homology, putative signal transduction mechanisms, and pharmacologic properties. Group I includes GRM1 and GRM5 and these receptors have been shown to activate phospholipase C. Group II includes GRM2 and GRM3 while Group III includes GRM4, GRM6, GRM7 and GRM8. Group II and III receptors are linked to the inhibition of the cyclic AMP cascade but differ in their agonist selectivities. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]
Molecular Mass	35.64 kDa
AA Sequence	KVIGHWTNQLHLKVEDMQWAHREHHPASVCSLPCKPGERKKTVKGVPCWHCE RCEGYNYQVDELSCELCPLDQRPNMNRTGCQLIPII

 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

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

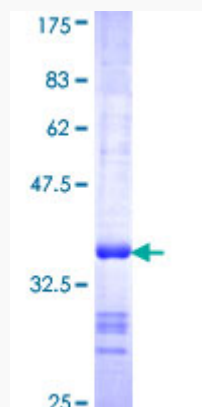
Gene Name	GRM8 glutamate receptor, metabotropic 8 [Homo sapiens]
Official Symbol	GRM8
Synonyms	GRM8; glutamate receptor, metabotropic 8; metabotropic glutamate receptor 8; GLUR8; GPRC1H; mGlu8; MGLUR8; FLJ41058; MGC126724;
Gene ID	2918
mRNA Refseq	NM_000845
Protein Refseq	NP_000836
MIM	601116
UniProt ID	O00222

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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