

Recombinant Human GRM1 protein, His-tagged

Cat. No. GRM1-5744H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GRM1 protein(19-592 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	19-592 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	MLPRSPGRKVLLAGASSQRSVARMDGDVIIGALFSVHHQPPAEKVPERKCGEIREQ YGIQRVEAMFHTLDKINADPVLLPNITLGSEIRDSCWHSSVALEQSIEFIRDSLISIRDE KDGINRCLPDGQSLPPGRTKKPIAGVIGPGSSSVAIQVQNLLQLFDIPQIAYSATSIDL SDKTLKYFLRVVPSDTLQARAMLDIVKRYNWTYVSAVHTEGNYGESGMDAFKELA AQEGLCIAHSDKIYSNAGEKSFDRLLRKLRERLPKARVVCFCEGMTVRGLLSAMRR LGVVGEFSLIGSDGWADRDEVIEGYEVEANGGITIKLSPEVRSFDDYFLKLRLDTNT RNPWFPEFWQHRFQCRLPGHLLNPNFKRICTGNESLEENYVQDSKMGFVINAIYA MAHGLQNMHHALCPGHVGLCDAMKPIDGSKLLDFLIKSSFIGVSGEEVWFDEKGD PGRYDIMNLQYTEANRYDYVHVGTWHEGVLNIDYKIQMKNKSGVVRVVCSEPCCLKG QIKVIRKGEVSCCWICTACKENEYVQDEFTCKACDLGWWPNADLTGCEPIPVRYLE

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	WSNIE
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

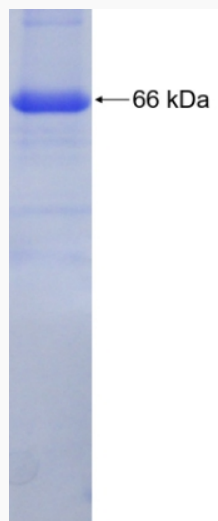
Gene Name	GRM1 glutamate receptor, metabotropic 1 [Homo sapiens]
Official Symbol	GRM1
Synonyms	GRM1; glutamate receptor, metabotropic 1; metabotropic glutamate receptor 1; GPRC1A; mGlu1; MGLUR1; GRM1A; MGLUR1A;
Gene ID	2911
mRNA Refseq	NM_000838
Protein Refseq	NP_000829
MIM	604473
UniProt ID	Q13255

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SDS-PAGE



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