

Recombinant Full Length Mouse Probable G-Protein Coupled Receptor 75 (Gpr75) Protein, His-Tagged

Cat. No. RFL2084MF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Gpr75;GPR75;G protein-coupled receptor 75;full-length;GPCR;CCL5 receptor
Species	Mouse
Source	E.coli
ProteinLength	1-540aa (full length)
Description	G protein-coupled receptor that is activated by the chemokine CCL5/RANTES. Member of the G protein-coupled receptor family. Cell surface receptor that activates guanine-nucleotide binding proteins upon ligand binding. Coupled to heterotrimeric Gq proteins, stimulates inositol trisphosphate production and calcium mobilization.
Form	Lyophilized
Molecular Mass	61 kDa (calculated from 540 aa); ~50 kDa observed by SDS-PAGE (reduced, Tris-Glycine)
AASequence	MNTSAPLQNVPNATLLNMPPLHGGNSTSLQEGLRDFIHTATLVCTFLLAIIFCLGSY GNFIVFLSFFDPSFRKFRTNFD FMILNLSFCDLFICGVTAPMFTFVLFFSSASSIPDSF CFTFHLTSSGFVIMSLKMOVAVIALHRLRMVMGKQPNCTASFSCILLTLLWATSFTL ATLATLRTNKSHLCLPMSSLMGDGEGKAILSLYVVDFTFCVAVVSYSYIMIAQTLRKNA QVKKCPPVITVDASRPQPFMGASVKGNPDPIQCTMPALYRNQNYNKLQHSQTHGY TKNINQMPIPSASRLQLVSAINFSTAKDSKAVVTCVVIVLSVLVCCLPLGISLVQMVL

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DNGSFILYQFELFGFTLIFFKSGLNPFYISRNSAGLRRKVLWCLRYTGLGFLCCKQKT
RLRAMGKGNLEINRNKSSHETNSAYMLSPKPQRKFVDQACGPSHSKESAASPKV
SAGHQPCGQSSSTPINTRIEPYYSIYNSSPSQQESGPANLPPVNSFGFASSYIAMHY
YTTNDLMQEYDSTSAKQIPIPSV

Purity ≥90% by SDS-PAGE

Storage -20 to -80°C, avoid repeated freeze-thaw cycles

Gene ID-Weblink Q6X632

Storage Buffer PBS, 0.05% Brij 78, 6% Trehalose, pH 7.4 (before lyophilization)

GENE INFORMATION

Gene Name Gpr75

Official Symbol NM_175490

Synonyms [Pending verification - NP for NM_175490]

mRNA Refseq <https://www.uniprot.org/uniprotkb/Q6X632>

Protein Refseq <https://www.ncbi.nlm.nih.gov/gene/237716>

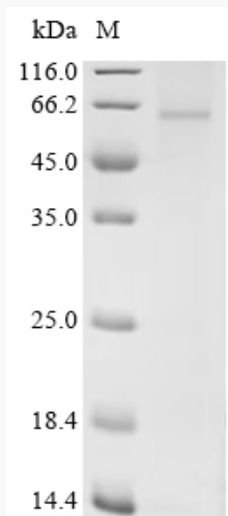
MIM <https://www.omim.org/entry/606704>

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**SDS-PAGE analysis
of RFL2084MF**



Reduced conditions, Tris-Glycine gel (5% enrichment + 15% separation), 37°C 10 min incubation

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