

Recombinant Human GRID2, His-tagged

Cat. No. GRID2-13530H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GRID2 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	20-358a.a.
Description	The protein encoded by this gene is a type I transmembrane glycoprotein which shows homology to the pMEL17 precursor, a melanocyte-specific protein. GPNMB shows expression in the lowly metastatic human melanoma cell lines and xenografts but does not show expression in the highly metastatic cell lines. GPNMB may be involved in growth delay and reduction of metastatic potential. Two transcript variants encoding different isoforms have been found for this gene.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name	GRID2 glutamate receptor, ionotropic, delta 2 [Homo sapiens]
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Official Symbol	GRID2
Synonyms	GRID2; glutamate receptor, ionotropic, delta 2; glutamate receptor delta-2 subunit; GluD2; GluR delta 2; GluR-delta-2; gluR delta-2 subunit; MGC117022; MGC117023; MGC117024;
Gene ID	2895
mRNA Refseq	NM_001510
Protein Refseq	NP_001501
MIM	602368
UniProt ID	O43424
Chromosome Location	4q22
Pathway	Long-term depression, organism-specific biosystem; Long-term depression, conserved biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem;
Function	extracellular-glutamate-gated ion channel activity; glutamate receptor activity; ion channel activity; ionotropic glutamate receptor activity; receptor activity; transporter activity;