Recombinant Mouse Gad1 Protein, Myc/DDK-tagged

Cat. No. Gad1-3128M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length glutamate decarboxylase 1 (Gad1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	The protein encoded by this gene is an enzyme that catalyzes the production of gamma-aminobutyric acid from L-glutamic acid. Alternative splicing of this gene results in two products, the predominant 67 kDa isoform and a smaller 25 kDa isoform. The smaller isoform is not thought to retain catalytic activity.
Molecular Mass	66.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Gad1 glutamate decarboxylase 1 [Mus musculus (house mouse)]
Official Symbol	Gad1
Synonyms	Gad1; glutamate decarboxylase 1; EP1; EP10; GAD2; GAD4; GAD6; Gad-; Gad-1; glutamate decarboxylase 1; 67 kDa glutamic acid decarboxylase; glutamic acid decarboxylase 1; EC 4.1.1.15
Gene ID	14415
mRNA Refseq	NM_008077
Protein Refseq	NP_032103
UniProt ID	P48318

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