

Product datasheet for TP509243

Gad1 (NM_008077) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse glutamate decarboxylase 1 (Gad1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209243 protein sequence Red =Cloning site Green =Tags(s)

MASSTPSPATSSNAGADPNTTTLRPTTYDTWCGVAHGCTRKLGLKICGFLQRTNSLEEKSRVSAFRERQ
SSKNLLSCENSQDQGARFRRTETDFSNLFAQDLLPAKNGEEQTAQFLEWVDILLNYVRKTFDRSTKVLDLDF
HHPHQLLEGMGFNLELSDHPESLEQILVDCRDTLKYGVRTGHPFFNQLSTGLDIIGLAGEWLTSTANT
NMFTYEIAPVFLMEQITLKKMREIVGWSNKDGDGIFSPGGAISNMYSIMAARYKYFPEVKTKGMAAVPK
LVLFTSEHSHYSIKKAGAALGFGTDNVILIKCNERGKIIPADLEAKILDAKQKGYVPLYVNATAGTTVYG
AFDPIQEIADICEKYNLWLHVDAAWGGLLMSRKHRLKLSGIERANSVTWNPHKMMGVLLQCSAILVKEK
GILQGCNQMCAGYLFQPKQYDVSYDTGDKAIQCGRHVDIFKFWLMWKAKGTVGFENQINKCLELADYLY
AKIKNREEFEMVFDGEPEHTNVCFWYIPQSLRGVDPSPERREKLHRVAPKIKALMMESGTTMVGYPQGD
KANFFRMVISNPAATQSDIDFLIEIERLGQDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	66.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_032103](#)

Locus ID: 14415

UniProt ID: [P48318, Q548L6](#)

RefSeq Size: 3231

Cytogenetics: 2 41.63 cM

RefSeq ORF: 1782

Synonyms: EP1; EP10; Gad-; Gad-1; GAD2; GAD4; GAD6

Summary: 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. [provided by RefSeq, Aug 2015]