

Recombinant Mouse GAD2 Protein (1-585 aa), His-tagged

Cat. No. GAD2-512M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse GAD2 Protein (1-585 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length.
Species	Mouse
Source	E.coli
ProteinLength	1-585 aa
Description	Catalyzes the production of GABA.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	69.2 kDa
AA Sequence	MASPGSGFWSFGSEDGSADPENPGTARAWCQVAQKFTGGIGNKLCALLYGDSGK PAEGGGSVTSRAATGKVACTCDQKPCNCPKGDVNIAFLHATDLLPACDGERPTLA FLQDVMNILLQYVVKSFDRSTKVDFHYPNELLQEYNWELADQPQNLEEILTHCQTTL KYAIKTGHPRYFNQLSTGLDMVGLAADWLTSTANTNMFTYEIAPVFVLLLEYVTLKKM REIIGWPGGSGDGIFSPGGAISNMYAMLIARYKMFPEVKEKGMAAVPRLIAFTSEHS HFSLKKGAAALGIGTDSVILIKCDERGMIPSDLERRILEVKQKGFVPFLVSATAGTTV YGAFDPLLAVADICKKYKIWMHVDAAWGGGLLSRKHKWKLSGVERANSVTWNPH KMMGVPLQCSALLVREEGLMQSCNQMHASYLFQQDKHYDLSYDTGDKALQCGRH VDVFKLWLMWRAKGGTTGFEAHIDKCLEAEYLYTIKNREGYEMVFDGKPKQHTNVCF

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	WFVPPSLRTLEDNEERMSRLSKVAPVIKARMMMEYGTTMVSYQPLGDKVNFFRMVIS NPAATHQDIDFLIEEIERLGQDL
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.

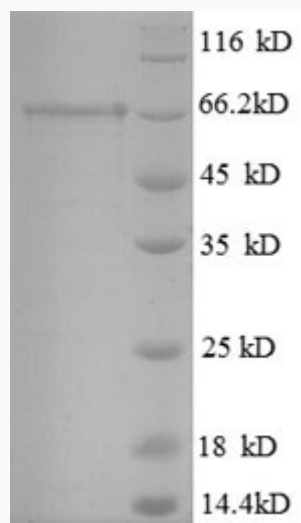
GENE INFORMATION

Gene Name	Gad2 glutamic acid decarboxylase 2 [Mus musculus]
Official Symbol	GAD2
Synonyms	GAD2; GAD-65; GAD65; Gad-2; GAD(65); 6330404F12Rik;
Gene ID	14417
mRNA Refseq	NM_008078
Protein Refseq	NP_032104
UniProt ID	P48320

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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