

Recombinant Mouse Glutamate decarboxylase 2(Gad2)

Catalog No: #AP70319

Package Size: #AP70319-1 20ug #AP70319-2 100ug #AP70319-3 1mg

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Description

Product Name	Recombinant Mouse Glutamate decarboxylase 2(Gad2)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-585aaSequence Info:Full Length
Other Names	65KDA glutamic acid decarboxylase ;GAD-65Glutamate decarboxylase 65KDA isoform
Accession No.	P48320
Calculated MW	69.2 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MASPGSGFWSFGSEDSADPENPGTARAWCQVAQKFTGGIGNKLCALLYGDSGKPAEGGGSVTSRAATGK VACTCDQKPCNCPKGDVNYAFLHATDLLPACDGERPTLAFLQDVMNILLQYVVKSFDRSTKVIDFHYPNELLQ EYNWELADQPQNLEELTHCQTTLKYAIKTGHPRYFNQLSTGLDMVGLAADWLTSTANTNMFTYEIAPVFVLL YVTLKKMREIIGWPGGSGDGIFSPGGAISNMYAMLIARYKMFPEVKEKGMAAVPRLIAFTSEHSFSLKKGAAA LGIGTDSVILIKCDERGKMIPSDLERRILEVKQKGFVPLVSATAGTTVYGAFDPLLAVADICKKYIWMHVDAA WGGGLLMSRKHKWKLSGVERANSVTWNPHKMMGVPLQCSALLVREEGLMQSCNQMHASYLFQQDKHYDL SYDTGDKALQCGRHVDVFKLWLMWRAGTTGFEAHIDKCLEAEYLYTIKNREGYEMVFDGKPQHTNVCFW FVPPSLRTLEDNEERMSRLSKVAPVIKARMMMEYGTMMVSYQPLGDKVNFFRMVISNPAATHQDIDFLIEEIERL GQDL
Formulation	Tris-based buffer50% glycerol
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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Catalyzes the production of GABA.

References

Mice lacking the 65KDA isoform of glutamic acid decarboxylase (GAD65) maintain normal levels of GAD67 and GABA in their brains but are susceptible to seizures.Asada H., Kawamura Y., Maruyama K., Kume H., Ding R.G., Ji F.Y., Kanbara N., Kuzume H., Sanbo M., Yagi T., Obata K.Biochem. Biophys. Res. Commun. 229:891-895(1996)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.