

Glutamate Decarboxylase 1 Isoform-1 Human Recombinant

Item Number	rAP-0971
Synonyms	Glutamate Decarboxylase 1 (Brain, 67kDa), Glutamate Decarboxylase 67 KDa Isoform, 67 KDa Glutamic Acid Decarboxylase, EC 4.1.1.15, GAD-67, CPSQ1, SCP, GAD, Glutamate Decarboxylase 1 (Brain, 67kD), Glutamate
Description	GAD1 iso1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 617 amino acids (1-594 a.a) and having a molecular mass of 69.3kDa.
Uniprot Accesion Number	Q99259
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMASSTPS SSATSSNAGA DPNTTNLRPT TYDTWCGVAH GCTRKLGLKI CGFLQRTNSL EEKSRVLVSAT KERQSSKNLL SCENSQRDAR FRRTETDFSN LFARDLLPAK NGEEQTVQFL LEVVDILLNY VRKTFDRSTK VLDFHHPHQL LEGMEGFNLE
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	GAD1 iso1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol. Greater than 80% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**