

Recombinant *Cricetulus Griseus* GLUL Protein (2-373 aa), His-SUMO-tagged

Cat. No. GLUL-2062C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant <i>Cricetulus Griseus</i> (Chinese hamster) (<i>Cricetulus barabensis griseus</i>) GLUL Protein (2-373 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Neuroscience. Protein Description: Full Length of Mature Protein.
Species	<i>Cricetulus Griseus</i>
Source	E.coli
ProteinLength	2-373 aa
Description	Essential for proliferation of fetal skin fibroblasts. This enzyme has 2 functions: it catalyzes the production of glutamine and 4-aminobutanoate (gamma-aminobutyric acid, GABA), the latter in a pyridoxal phosphate-independent manner (By similarity).
Form	Tris-based buffer, 50% glycerol
Molecular Mass	58.2 kDa
AA Sequence	ATSASSHLNKGIKQMYMSLPQGEKVQAMYIWDVGTGEGLRCKTRTLDCPEPKCVEEL PEWNFDGSSTFQSESSNSDMYLSPVAMFRDPFRKEPNKLVFCEVFKYNQKPAETN LRHTCKRIMDMVSNQHPWFGMEQEYLLGTDGHPFGWPSDGFPGPQGLYYCGVG ADKAYRRDIMEAHYRACLYAGVKITGTAEVKHAQWEFQIGPCEGIRMGDHLWVAR FILHRVCKDFGVIATFDSKPIPGNWNAGCHTNFSTKTMREENGLKHIKEAIEKLSKR

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

HRYHIRAYDPKGGGLDNARRLTGFHKTSNINDFSAGVADRSASIRIPRTVGQEKKGYF
EARCPSANCDPFAVTEAIVRTCLLNETGDQPFQYKN

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 reconstitution instruction is sent along with the products.

GENE INFORMATION

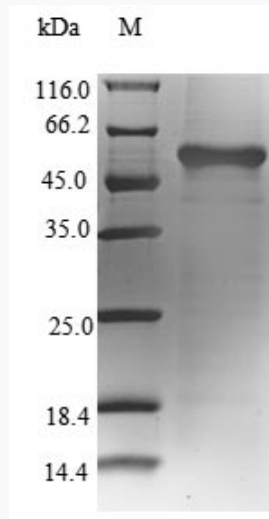
Synonyms GLUL; GS Glutamate decarboxylase Glutamate--ammonia ligase;

UniProt ID [P04773](https://www.uniprot.org/entry/P04773)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA