

## Product datasheet for **TP508853**

### Glud1 (NM\_008133) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse glutamate dehydrogenase 1 (Glud1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208853 representing NM_008133 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MYRRLGEALLLSRAGPAALGSAAADSAALLGWARGQPSAAPQPGLTPVARRHYSEAAADREDDPNFFKMV  
EGFFDRGASIVEDKLVEDLKTRESEEQRNRNRVIRGILRIIKPCNHVLSLSFPIRRDDGSWEVIEGYRAQHS  
QHRTPCKGGIRYSTDVSVDEVKALASLMTYKCAVVDVPPFGGAKAGVKINPKNYTDNELEKITRRFTMELA  
KKGFIGPIDVPAPDMSTGEREMSWIADTYASTIGHYDINAHACVTGKPISQGGIHRISATGRGVFHGI  
ENFINEASYMSILGMTPGFGDKTFVQGFVGNVGLHSMRYLHRFGAKCVGVGESDGSIWNPDGIDPKELED  
FKLQHGSILGFPKAKVYEGSILEADCILIPAASEKQLTKSNAPRVKAKIIAEGANGPTTPEADKIFLER  
NIMVIPDLYLNAGGVTVSYFEWLKLNHNVSYGRLTFKYERDSNYHLLMSVQESLERKFGKHGGTIPVVPT  
AEFQDRISGASEKDIVHSGLAYTMERSARQIMRTAMKYNLGLDLRТАAYVNAIEKVFKVYNEAGVTFT

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	61.8 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.
RefSeq:	<a href="#">NP_032159</a>



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**Locus ID:** 14661

**UniProt ID:** [P26443](#), [Q3TSQ7](#)

**RefSeq Size:** 3158

**Cytogenetics:** 14 20.8 cM

**RefSeq ORF:** 1674

**Synonyms:** A1118167; Gdh-X; Glud; Gludl

**Summary:** Mitochondrial glutamate dehydrogenase that converts L-glutamate into alpha-ketoglutarate. Plays a key role in glutamine anaplerosis by producing alpha-ketoglutarate, an important intermediate in the tricarboxylic acid cycle. May be involved in learning and memory reactions by increasing the turnover of the excitatory neurotransmitter glutamate.[UniProtKB/Swiss-Prot Function]