



Recombinant Human Glutaminase liver isoform, mitochondrial (GLS2)

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| Product Code | CSB-EP887058HU |
| Relevance | Plays an important role in the regulation of glutamine catabolism. Promotes mitochondrial respiration and increases ATP generation in cells by catalyzing the synthesis of glutamate and alpha-ketoglutarate. Increases cellular anti-oxidant function via NADH and glutathione production. May play a role in preventing tumor proliferation. |
| Abbreviation | Recombinant Human GLS2 protein |
| 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. |
| Uniprot No. | Q9UI32 |
| Alias | L-glutaminase L-glutamine amidohydrolase |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | ≥ 90% as determined by SDS-PAGE. |
| Sequence | GSHCGRGGWGHPSRSPLLGGGVRHHLSEAAAQGRETPHSHQPQHGDHDSS ESGMLSRLGDLLFYTIAEGQERIPHKFTTALKATGLQTSDPRLRDCMSEMHRV VQESSSGLLDRDLFRKCVSSNIVLLTQAFRKKFVIPDFEFTGHVDRIFEDVK ELTGGKVAAYIQLAKSNPDLWGVSLCTVDGQRHSVGHGHTKIPFCLQSCVKPLT YAISISTLGTDYVHKFVGKEPSGLRYNKLSLNEEGIPHNPMVNAIAIVVSSLIKM DCNKAKEKDFDFVLQYLNKMAGNEYMGFSNATFQSEKETGDRNYAIGYYLKEKK CFPKGVDMMMAALDLYFQLCSVEVTCESGSVMAATLANGGICPITGESVLSAEA VRNTLSLMHSCGMYDFSGQFAFHVGLPAKSAVSGAILLVVPNVMGMMCLSP LDKLGNSHRGTSFCQKLVSLFNFNHNYDNLRHCARKLDPREGAEIRNKTVVNL LFAAYSQDVSAALRRFALSAMDMEQKDYDSRTALHVAAGHIEVVKFLIEACK VNPFAKDRWGNIPLDLDAVQFNHLEVVKLLQDYQDSYTLSETQAEAAAALSKE NLESMV |
| Research Area | Metabolism |
| Source | E.coli |
| Target Names | GLS2 |
| Expression Region | 15-602aa |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | N-terminal 6xHis-SUMO-tagged |
| Mol. Weight | 80.7kDa |

