

Product Datasheet

Recombinant Human Glutamine Synthetase Protein NBP2-52376-0.02mg

Unit Size: 0.02 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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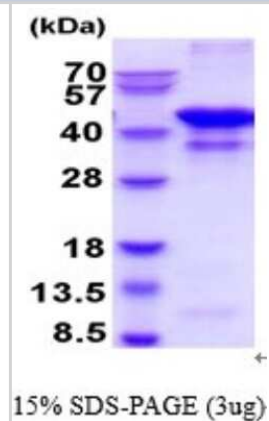


NBP2-52376-0.02mg**Recombinant Human Glutamine Synthetase Protein**

Product Information	
Unit Size	0.02 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>85%, by SDS-PAGE
Buffer	20 mM Tris-HCl buffer (pH8.0), 10% glycerol, 1 mM DTT, 0.1 mM PMSF
Target Molecular Weight	42 kDa
Product Description	
Description	An un-tagged recombinant protein corresponding to the amino acids 1-373 of Human Glutamine Synthetase Source: <i>E.coli</i> Amino Acid Sequence: MTTSSASSHLN KGIKQVYMSL PQGEKVQAMY IWIDGTGEGL RCKTRTL DSE PKCVEELPEW NFDGSSTLQS EGSNSDMYLV PAAMFRDPFR KDPNKLVLCE VFKYNRRPAE TNLRHTCKRI MDMVSNQHPW FGMEQEYTLM GTDGHPFGWP SNGFPGPQGP YYCGVGADRA YGRDIVEAHY RACLYAGVKI AGTNAEVMPA QWEFQIGPCE GISMGDHLWV ARFILHRVCE DFGVIATFDP KPIPGNWNGA GCHTNFSTKA MREENGLKYI EEAEIKLSKR HQYHIRAYDP KGGLDNARRL TGFHETSNIN DFSAGVANRS ASIRIPRTVG QEKKG YFEDR RPSANCDPFS VTEALIRTCL LNETGDEPFQ YKN
Gene ID	2752
Gene Symbol	GLUL
Species	Human
Details of Functionality	Specific activity is > 2.000 pmol/min/ug, and is defined as the amount of enzyme that convert L-glutamate to L-glutamine per minute at pH 7.5 at 37C in coupled system with PK/LDH.
Product Application Details	
Applications	SDS-Page, Enzyme Activity
Recommended Dilutions	SDS-Page, Enzyme Activity

Images

SDS-Page: Recombinant Human Glutamine Synthetase Protein [NBP2-52376] - 15% SDS Page (3 ug)



Publications

Villar VH, Allega MF, Deshmukh R et al. Hepatic glutamine synthetase controls N5-methylglutamine in homeostasis and cancer Nature chemical biology 2022-10-24 [PMID: 36280791] (EnzAct)



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Products Related to NBP2-52376-0.02mg

NBP2-52619	Recombinant Human Glutamine Synthetase His Protein
NB300-109	Tyrosine Hydroxylase Antibody
NB110-41404	Glutamine Synthetase Antibody
NB300-141	GFAP Antibody

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