

Recombinant Human LGSN Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. LGSN-1526H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LGSN MS Standard C13 and N15-labeled recombinant protein (NP_057655) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein with similarity to the GS I members of the glutamine synthetase superfamily. The encoded protein is referred to as a pseudo-glutamine synthetase because it has no glutamine synthesis activity and may function as a chaperone protein. This protein is localized to the lens and may be associated with cataract disease. Alternative splicing results in multiple transcript variants.
Molecular Mass	57.3 kDa
AA Sequence	MNNEEDLLQEDSTRDEGNETEANSMTLRRTKRVTKPYVCSTEVGETDMSNSND CMRDSSQILTPPQLSSRMKHIRQAMAKNRLQFVRFEATDLHGVSRSKTIPAHFFQEK VSHGVCMPRGYLEVIPNPKDNEMNNIRATCFNSDIVLMPPELSTFRVLPWADRTARVI CDTFTVTGEPLLTSPRYIAKRQLSHLQASGFSLLSAFIYDFCIFGVPEILNSKIISFPALT FLNNHDQPFMQELVDGLYHTGANVESFSSSTRPGQMEISFLPEFGISSADNAFTLRT GVKEVARKYNYIASFFIETGFCDGILSHSLWDVDRKKNMFCSTSGTEQLTITGKKW LAGLLKHSAAALSCLMAPSVSCRKRYSKDRKDLKKSVPPTTWGYNDNSCIFNIKCHGEK GTRIENKLGSATANPYLVLAATVAAGLDGLHSSNEVLGPDESTDFYQVEPSEIPLKL

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EDALVALEEDQCLRQALGETFIRYFVAMKKYELENEEIAAERNKFLEYFITRTRPLEQ
KLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name LGSN lengsin, lens protein with glutamine synthetase domain [Homo sapiens (human)]

Official Symbol LGSN

Synonyms LGSN; lengsin, lens protein with glutamine synthetase domain; LGS; GLULD1; lengsin; glutamate-ammonia ligase (glutamine synthase) domain containing 1; glutamate-ammonia ligase domain-containing protein 1

Gene ID 51557

mRNA Refseq NM_016571

Protein Refseq NP_057655

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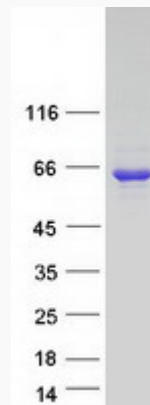
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MIM 611470

UniProt ID Q5TDP6

SDS-PAGE



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