

Recombinant Human ACSBG1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ACSBG1-2660H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ACSBG1 MS Standard C13 and N15-labeled recombinant protein (NP_055977) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene possesses long-chain acyl-CoA synthetase activity. It is thought to play a central role in brain very long-chain fatty acids metabolism and myelinogenesis.
Molecular Mass	81.3 kDa
AA Sequence	MPRNSGAGYGCPHGDP SMLDSRETPQESRQDMIVRTTQEKLKTSSLTDRQPLSKE SLNHALELSVPEKVNNAQWDAPEEALWTTRADGRVRLRIDPSCPQLPYTVHRMFYE ALDKYGD LIALGFKRQDKWEHISYSQYYLLARRAAKGFLKLGLKQAHSVAILGFNSPE WFFSAVGTVFAGGIVTGIYTTSSPEACQYIAYDCCANVIMVDTQKQLEKILKIWKQLP HLKAVVIYKEPPPNKMANVYTMEEFMELGNEVP EEALDAIIDTQQPNQCCVLVYTS TTGNPKGVM LSQDNITWTARYGSQAGDIRPAEVQQE VVVSYLPLSHIAAQIYDLWTG IQWGAQVCFAEPDALKGSLVNTLREVEPTSHMGVPRVWEKIMERIQEVAAQSGFIR RKMLLWAMSVTLEQNLTCPGSDLKPFTTRLADYLV LAKVRQALGFAKCQKNFYGAA PMM AETQHFFLGLNIRLYAGYGLSETSGPHFMSSPYNYRLYSSGKLVP GCRVKLVN QDAEGIGEICLWGRTIFMGYLNMEDKTCEAIDEEGWLHTGDAGRLDADGFLYITGRL

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KELIITAGGENVPPVPIEEAVKMEIPIISNAMLIGDQRKFLSMLLTCLKCTLDPDTSDQTD
NLTEQAVEFCQRVGSRATTVSEIIEKKDEAVYQAIEEGIRRVNMNAAARPYHIQKWAI
LERDFSISGGELGPTMKLKRLTVLEKYKGIIDSFYQEQQMTRTRPLEQKLISEEDLAA
NDILDYKDDDDKV

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 [ACSBG1 acyl-CoA synthetase bubblegum family member 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [ACSBG1](#)

Synonyms ACSBG1; acyl-CoA synthetase bubblegum family member 1; long-chain-fatty-acid--CoA ligase ACSBG1; BG1; BGM; bubblegum; FLJ30320; hBG1; hsBG; KIAA0631; lipidosin; MGC14352; very long chain acyl CoA synthetase; very long-chain acyl-CoA synthetase; BG; LPD; GR-LACS;

Gene ID [23205](#)

mRNA Refseq [NM_015162](#)

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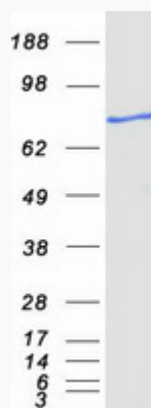
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Protein Refseq NP_055977

MIM 614362

UniProt ID Q96GR2

SDS-PAGE



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