

Recombinant Full Length Human ACSBG1 Protein, Flag tagged

Cat. No. ACSBG1-20HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human acyl-CoA synthetase bubblegum family member 1 (ACSBG1) with Flag tag was expressed in HEK293T.
Species	Human
Source	HEK293T
ProteinLength	1-724 aa
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	81.1 kDa
AASequence	MPRNSGAGYGCPHGDP SMLDSRETPQESRQDMIVRTTQEKLKTSSLTDRQPLSKE SLNHALELSVPEKVNNAQWDAPEEALWTTADGRVRLRIDPSCPQLPYTVHRMFYE ALDKYGDIALGFKRQDKWEHISYSQYYLLARRAAKGFLKGLKQAHSVAILGFNSPE WFFSAVGTVFAGGIVTGIYTTSSPEACQYIAYDCCANVIMVDTQKQLEKILKIWKQLP HLKAVVIYKEPPPNKMANVYTMEEFMELGNEVP EEALDAIIDTQQPNQCCVLVYTS TTGNPKGVMLSQDNITWTARYGSQAGDIRPAEVQQEVVVSYLPLSHIAAQIYDLWTG IQWGAQVCFAEPDALKGSLVNTLREVEPTSHMGVPRVWEKIMERIQEVAQAQSGFIR RKMLLWAMSVTLEQNLTCPGSDLKPFTTRLADYLV LAKVRQALGFAKCQKNFYGAA PMM AETQHFFLGLNIRLYAGYGLSETSGPHFMSSPYNYRLYSSGKLVPGCRVKLVN

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QDAEGIGEICLWGRTIFMGYLNMEDKTCEAIDEEGWLHTGDAGRLDADGFLYITGRL
 KELIITAGGENVPPVPIEEAVKMELPIISNAMLIGDQRKFLSMLLTCLKCTLDPDTSQTD
 NLTEQAVEFCQRVGSRATTVSEIIEKKDEAVYQAIEEGIRRVNMNAAARPYHIQKWAI
 LERDFSISGGELGPTMKLRLTVLEKYKGIIDSFYQEQQMTRTRPLEQKLISEEDLAA
 NDILDYKDDDDKV

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

Notes 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 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Concentration > 0.05 µg/µL as determined by microplate BCA method

Storage Buffer 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

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; BG; BG1; BGM; LPD; GR-LACS; long-chain-fatty-acid--CoA ligase ACSBG1; bubblegum; lipidosin; very long-chain acyl-CoA synthetase; EC 6.2.1.3

Gene ID 23205

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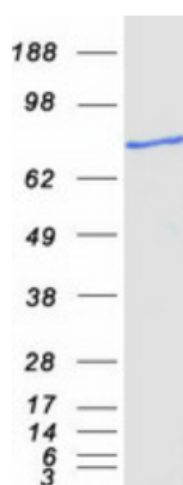
mRNA Refseq [NM_015162](#)

Protein Refseq [NP_055977](#)

MIM [614362](#)

UniProt ID [Q96GR2](#)

SDS-PAGE and WB



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