

Recombinant Human ACSBG1 protein, His-tagged

Cat. No. ACSBG1-3948H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACSBG1 protein(404-686 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	404-686 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	AMSVTLEQNLTCPGSDLKPFTTRLADYLVLAQVRQALGFAKCQKNFYGAAPMMAET QHFFLGLNIRLYAGYGLSETSGPHFMSSPYNYRLYSSGKLVPGCRVKLVNQDAEGI GEICLWGRTIFMGYLNMEDKTCEAIDEEGWLHTGDAGRLDADGFLYITGRLKELIITA GGENVPPVPIEEAVKMELPIISNAMLIGDQRKFLSMLLTLKCTLDPDTSDQTDNLTEQ AVEFCQRVGSRATTVSEIIEKKDEAVYQAIEEGIRRVNMNAAARPYHIQKWAILE
Purity	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

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Reconstitution Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name	ACSBG1 acyl-CoA synthetase bubblegum family member 1 [Homo sapiens]
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_001199377
Protein Refseq	NP_001186306
MIM	614362
UniProt ID	Q96GR2

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