Recombinant Full Length Human ACSBG1 Protein, GST-tagged

Cat. No. ACSBG1-824HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACSBG1 full-length ORF (NP_055977.3, 1 a.a. - 724 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	724 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	107.7 kDa
AA Sequence	MPRNSGAGYG CPHGDPSMLD SRETPQESRQ DMIVRTTQEK LKTSSLTDRQ PLSKESLNHA LELSVPEKVN NAQWDAPEEA LWTTRADGRV RLRIDPSCPQ LPYTVHRMFY EALDKYGDLI ALGFKRQDKW EHISYSQYYL LARRAAKGFL KLGLKQAHSV AILGFNSPEW FFSAVGTVFA GGIVTGIYTT SSPEACQYIA YDCCANVIMV DTQKQLEKIL KIWKQLPHLK AVVIYKEPPP NKMANVYTME EFMELGNEVP EEALDAIIDT QQPNQCCVLV YTSGTTGNPK GVMLSQDNIT WTARYGSQAG DIRPAEVQQE VVVSYLPLSH IAAQIYDLWT GIQWGAQVCF AEPDALKGSL VNTLREVEPT SHMGVPRVWE KIMERIQEVA AQSGFIRRKM LLWAMSVTLE QNLTCPGSDL KPFTTRLADY LVLAKVRQAL GFAKCQKNFY

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	GAAPMMAETQ HFFLGLNIRL YAGYGLSETS GPHFMSSPYN YRLYSSGKLV PGCRVKLVNQ DAEGIGEICL WGRTIFMGYL NMEDKTCEAI DEEGWLHTGD AGRLDADGFL YITGRLKELI ITAGGENVPP VPIEEAVKME LPIISNAMLI GDQRKFLSML LTLKCTLDPD TSDQTDNLTE QAMEFCQRVG SRATTVSEII EKKDEAVYQA IEEGIRRVNM NAAARPYHIQ KWAILERDFS ISGGELGPTM KLKRLTVLEK YKGIIDSFYQ EQK
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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Protein Refseq	NP_001186306
MIM	614362
UniProt ID	Q96GR2

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