

## Product datasheet for PH303219

### ACSBG1 (NM\_015162) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	ACSBG1 MS Standard C13 and N15-labeled recombinant protein (NP_055977)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203219
Predicted MW:	81.3 kDa
Protein Sequence:	>RC203219 protein sequence Red=Cloning site Green=Tags(s)

MPRNSGAGYGCPHGDPSMLDSRETPQESRQDMIVRTTQEKLKTSLSLTDQRPLSKESLNHALELSVPEKVN  
NAQWDAPEEALWTRADGRVRLRIDPSCPQLPYTVHRMFYEALDKYGDLIAGFKRQDKWEHISYSQYYL  
LARRAAKGFLLKGLKQAHSVAILGFNSPEWFFSAVGTVFAGGIVTGIYTTSSPEACQYIAYDCCANVIMV  
DTQKQLEKILKIWKQLPHLKAVVIYKEPPPNKMANVYTMEEFMELGNEVPPEALDAIIDTQQPNQCCVLV  
YTSGTTGNPKGVMLSQDNITWTARYGSQAGDIRPAEVQQEVVVSYLPLSHIAAQIYDLWTGIQWGAQVCF  
AEPDALKGSLVNTLREVEPTSHMGVPRVWEKIMERIQEVAASQSGFIRRKMLLWAMSVTLEQNLTCPGSDL  
KPFTRRLADYLVLAKVRQALGFAKQKNFYGAAPMMAETQHFFLGLNIRLYAGYGLSETSGPHFMSSPYN  
YRLYSSGKLVPGCRVKLVNQDAEGIGEICLWGRTIFMGYLNMEDKTCEAIDEEGWLHTGDAGRLDADGFL  
YITGRLKELIITAGGENVPPVPIEEAVKMELPIISNAMLIGDQRKFLSMLLTLKCTLDPDTSQDTDNLTE  
QAVEFCQRVGSRAATTVSEIEKKDEAVYQAIIEEGIRRVNMNAAARPYHIQKWAILERDFSISGGELGPTM  
KLKRLTVLEKYKGIIDSFYQEQQM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_055977</a></u>

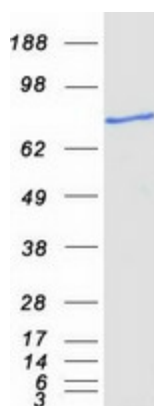


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RefSeq Size:	3010
RefSeq ORF:	2172
Synonyms:	BG; BG1; BGM; GR-LACS; LPD
Locus ID:	23205
UniProt ID:	<a href="#">Q96GR2</a> , <a href="#">B3KNS7</a>
Cytogenetics:	15q25.1

**Summary:** 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]

### Product images:



Coomassie blue staining of purified ACSBG1 protein (Cat# [TP303219]). The protein was produced from HEK293T cells transfected with ACSBG1 cDNA clone (Cat# [RC203219]) using MegaTran 2.0 (Cat# [TT210002]).