

Product datasheet for PH302860

BAG3 (NM_004281) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	BAG3 MS Standard C13 and N15-labeled recombinant protein (NP_004272)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202860
Predicted MW:	61.4 kDa
Protein Sequence:	>RC202860 representing NM_004281 Red=Cloning site Green=Tags(s)

MSAATHSPMMQVASGNGDRDPLPPGWEIKIDPQTGWPFVVDHNSRTTWNDRVPSEGPKETPSSANGPS
REGSRLPPAREGHPVYPQLRPGYIPIVLEGAENRQVHPFHVYPQPGMQRFRTEAAAAAPQRSQSPLRG
MPETTQPKQCGQVAAAAAQPASHGPERSQSPAASDCSSSSSASLPSSGRSSLGSHQLPRGYISIPV
IHEQNVTRPAAQPSFHQAQKTHYPAQQGEYQTHQPVYHKIQGDDWEPRPLRAASPFSSVQGASSREGSP
ARSSTPLHSPSPIRVHTVVDPRQQPMTHRETAPVSQPENKPEKPGVGPPELPPGHIPIQVIRKEVDSKP
VSQKPPPPSEKVEVKVPPAPVPCPPSPGPSAVPSSPKSVATEERAAPSTAPAEATPPKPGAEAPPKHP
GVLKVEAILEKVQGLEQAVDNFEGKTKDKKYLMIIEYLTKELLALDSVDPEGRADVRQARRDGVKRVQTI
LEKLEQKAIDVPGQVQVYELQPSNLEADQPLQAIMEMGAVAADKGGKNAGNAEDPHETETQQPEATAAATS
NPSSMTDTPGNPAAP

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	NP_004272
RefSeq Size:	2608
RefSeq ORF:	1725



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Synonyms: BAG-3; BIS; CAIR-1; MFM6

Locus ID: 9531

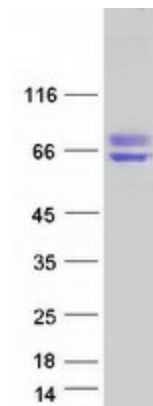
UniProt ID: [O95817](#)

Cytogenetics: 10q26.11

Summary: BAG proteins compete with Hip for binding to the Hsc70/Hsp70 ATPase domain and promote substrate release. All the BAG proteins have an approximately 45-amino acid BAG domain near the C terminus but differ markedly in their N-terminal regions. The protein encoded by this gene contains a WW domain in the N-terminal region and a BAG domain in the C-terminal region. The BAG domains of BAG1, BAG2, and BAG3 interact specifically with the Hsc70 ATPase domain in vitro and in mammalian cells. All 3 proteins bind with high affinity to the ATPase domain of Hsc70 and inhibit its chaperone activity in a Hip-repressible manner. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified BAG3 protein (Cat# [TP302860]). The protein was produced from HEK293T cells transfected with BAG3 cDNA clone (Cat# [RC202860]) using MegaTran 2.0 (Cat# [TT210002]).