

BAG-2 Protein, Human (His)

Cat. No.:	HY-P7647
Synonyms:	rHuBAG2, His; BAG Family Molecular Chaperone Regulator 2; BAG-2; Bcl-2-Associated Athanogene 2; BAG2
Species:	Human
Source:	E. coli
Accession:	O95816 (M1-N211)
Gene ID:	9532
Molecular Weight:	25-30 kDa

PROPERTIES

AA Sequence	<p> MAQA KINAKANEGR FCRSSSMADR SSRLLSLDQ LELRVEALRE AATAVEQEKE ILLEMIHSIQ NSQDMRQISD GEREELNLTA NRLMGRTLTV EVSVETIRNP QQQESLKHAT RIIDEVVVKF LDDLGNKSH LMSLYSACSS EVPHGPVDQK FQSIVIGCAL EDQKKIKRRL ETLLRNIENS DKAIKLLEHS KGAGSKTLQQ NAESRFN </p>
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, 1 mM EDTA, 1 mM DTT, 10% Glycerol, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	<p>BAG2, a protein of Bcl-2 associated athanogene (BAG) family, promotes mutp53 accumulation and GOF in tumors. Mechanistically, BAG2 binds to mutp53 and translocates to the nucleus to inhibit the MDM2-mutp53 interaction, and MDM2-mediated ubiquitination and degradation of mutp53. Thus, BAG2 promotes mutp53 accumulation and GOF in tumor growth, metastasis and chemoresistance. BAG2 is frequently overexpressed in tumors^[1].</p>
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REFERENCES

[1]. Xuetian Yue, et al. BAG2 promotes tumorigenesis through enhancing mutant p53 protein levels and function. *Elife*. 2015 Aug 13;4:e08401.

[2]. Ju Zhang, et al. BAG2 is a target of the c-Myc gene and is involved in cellular senescence via the p21(CIP1) pathway. *Cancer Lett*. 2012 May 1;318(1):34-41.

Caution: Product has not been fully validated for medical applications. For research use only.

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