

Datasheet for ABIN1345982
ATG7 Protein (AA 1-703) (GST tag)



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Overview

Quantity:	10 µg
Target:	ATG7
Protein Characteristics:	AA 1-703
Origin:	Human
Source:	Wheat germ
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATG7 protein is labelled with GST tag.
Application:	Western Blotting (WB), ELISA, Antibody Array (AA), Affinity Purification (AP)

Product Details

Purpose:	ATG7 (Human) Recombinant Protein (P01)
Sequence:	MAAATGDPGL SKLQFAPFSS ALDVGFWHEL TQKKLNEYRL DEAPKDIKGY YYNGDSAGLP ARLTLEFSAF DMSAPTPARC CPAIGTLYNT NTLESFKTAD KKLLLEQAAN EIWESIKSGT ALENPVLLNK FLLLTFADLK KYHFYYWFCY PALCLPESLP LIQGPVGLDQ RFSLKQIEAL ECAYDNLCQT EGV TALPYFL IKYDENMVLV SLLKHYSDFE QGQRTKITIG VYDPCNLAQY PGWPLRNFLV LAAHRWSSSF QSVEVVCFRD RTMQGARDVA HSIIFEVKLP EMAFSPDCPK AVGWEKNQKG GMGPRMVNLS EMDPKRLAE SSVDLNLKLM CWRLVPTLDL DKVVSVKCLL LGAGTLGCNV ARTLMGWGVR HITFVDNAKI SYSNPVRQPL YEFEDCLGGG KPKALAAADR LQKIFPGVNA RGFNMSIPMP GHPVNFSSVT LEQARRDVEQ LEQLIESHDV VFLLMDTRES RWLPAVIAAS KRKLVINAAL GFDTFVVMRH GLKKPKQQA GDLCPNHPVA SADLLGSSLF ANIPGYKLC YFCNDVVAPG DSTRDRTL DQ QCTVSRPGLA VIAGALAVEL MVSVLQHPEG GYAIASSDD RMNEPPTSLG LVPHQIRGFL SRFDNLPVS LAFDKCTACS SKVLDQYERE

Product Details

GFNFLAKVFN SSSHFLDLT GLTLLHQETQ AAEIWDMSDD ETI

Characteristics:	Human ATG7 full-length ORF (NP_006386.1, 1 a.a. - 703 a.a.) recombinant protein with GST-tag at N-terminal.
Purification:	in vitro wheat germ expression system

Target Details

Target:	ATG7
Alternative Name:	ATG7 (ATG7 Products)
Background:	Full Gene Name: ATG7 autophagy related 7 homolog (S. cerevisiae) Synonyms: APG7-LIKE,APG7L,DKFZp434N0735,GSA7
Gene ID:	10533
NCBI Accession:	NM_006395
Pathways:	Response to Water Deprivation , Autophagy

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Preparation method: in vitro, wheat germ expression system Product Quality tested by: 12.5% SDS-PAGE Stained with Coomassie Blue.
Restrictions:	For Research Use only

Handling

Buffer:	50 mM Tris-HCl, 10 mM reduced Glutathione, pH =8.0 in the elution buffer.
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-80 °C
Storage Comment:	Best use within three months from the date of receipt of this protein.

Publications

Product cited in:	Han, Hou, Goldstein, Stolz, Watkins, Rabinowich: "A Complex between Atg7 and Caspase-9: A NOVEL MECHANISM OF CROSS-REGULATION BETWEEN AUTOPHAGY AND APOPTOSIS." in: The Journal of biological chemistry , Vol. 289, Issue 10, pp. 6485-97, (2014) (PubMed).
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Image 1.