

Product datasheet for **TP720907**

ATG4A (NM_178270) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human ATG4 autophagy related 4 homolog A (<i>S. cerevisiae</i>) (ATG4A), transcript variant 2
Species:	Human
Expression Host:	<i>E. coli</i>
Expression cDNA Clone or AA Sequence:	Met1-Val398
Tag:	N-His
Predicted MW:	47.5 kDa
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_840054
Locus ID:	115201
UniProt ID:	Q8WYN0
RefSeq Size:	2117
Cytogenetics:	Xq22.3
RefSeq ORF:	1008
Synonyms:	APG4A; AUTL2



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Summary: Autophagy is the process by which endogenous proteins and damaged organelles are destroyed intracellularly. Autophagy is postulated to be essential for cell homeostasis and cell remodeling during differentiation, metamorphosis, non-apoptotic cell death, and aging. Reduced levels of autophagy have been described in some malignant tumors, and a role for autophagy in controlling the unregulated cell growth linked to cancer has been proposed. This gene encodes a member of the autophagin protein family. The encoded protein is also designated as a member of the C-54 family of cysteine proteases. [provided by RefSeq, Mar 2016]

Protein Families: Protease

Protein Pathways: Regulation of autophagy