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## Product Data Sheet

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Product Name: GABARAPL1 Human  
 Cat. No.: GP23524  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Gamma-aminobutyric acid receptor-associated protein-like 1; Early estrogen-regulated protein; GABA(A) receptor-associated protein-like 1; Glandular epithelial cell protein 1; GEC-1; GABARAPL1; GEC1; ATG8; APG8L; ATG8B; ATG8L; APG8-LIKE.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MKFQYKEDHP FEYRKKEGEK IRKKYPDRVP VIVEKAPKAR VPDLDKRKYL VPSDLTVGQF YFLIRKRIHL RPEDALFFFV NNTIPPTSAT MGQLYEDNHE EDYFLYVAYS DESVYGK.		
Formulation	The GABARAPL1 solution (1 mg/ml) contains 20mM Tris buffer (pH 8.0), 10% glycerol, 1mM DTT and 0.1M NaCl.		

### Introduction

GABARAPL1 [Gamma-aminobutyric acid (GABA) receptor-associated protein-like 1] is a member of the MAP1 LC3 family. GABARAPL1 increases cell surface expression of kappa type opioid receptor through facilitating anterograde intracellular trafficking of the receptor.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

GABARAPL1 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 137 amino acids (1-117 a.a.) and having a molecular mass of 16.2kDa (Molecular size on SDS-PAGE will appear higher). The GABARAPL1 is purified by proprietary chromatographic

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

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