
Product Data Sheet

Product Name: GABARAP Human
 Cat. No.: GP23523
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	GBRAP; MM46; GABA(A) receptor-associated protein; Gamma-aminobutyric acid receptor-associated protein; GABARAP; FLJ25768; MGC120154; MGC120155; FLC3B.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MKFVYKEEHP FEKRRSEGEK IRKKYPDRV VIVEKAPKAR IGDLDKKKYL VPSDLTVGQF YFLIRKRIHL RAEDALFFFV NNVIPPTSAT MGQLYQEHHE EDFFLYIAYS DESVYGL.		
Formulation	GABARAP solution (1mg/ml)containing 20mM Tris-HCl pH-8, 0.2M NaCl and 20% glycerol.		

Introduction

GABARAP is a ligand-gated chloride channel that mediates inhibitory neurotransmission. GABARAP is highly positively charged in its N-terminus and shares sequence similarity with light chain-3 of microtubule-associated proteins 1A and 1B. GABARAP clusters neurotransmitter receptors by mediating interaction with the cytoskeleton.

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

GABARAP Human Recombinant 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 kDa. GABARAP is fused to a 20 amino acid His-Tag at N-Terminus and purified by proprietary chromatographic techniques.

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

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