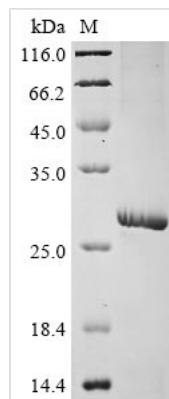




Recombinant Human Gamma-aminobutyric acid receptor subunit pi (GABRP), partial

Product Code	CSB-EP009154HU
Abbreviation	Recombinant Human GABRP protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	O00591
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	ERMCIQGSQFNVEVGRSDKLSLPGFENLTAGYNKFLRPNFGGEPVQIALTLIDIA SISSISESNMDYTATIYLRQRWMDQRLVFEGNKSFTLDARLVEFLWVPDTYIVE SKKSFLHEVTVGNRILRLFSNGTVLYALRITTTVACNMDLSKYPMDTQTCKLQL ESWGYDGNDFEFTWLRGNDSVRGLEHLRLAQYTIERYFTLVTRSQQETGNYT RLVLQFELRRNV
Research Area	Others
Source	E.coli
Target Names	GABRP
Expression Region	17-242aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	28.9 kDa
Protein Length	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Amino acids 17-242 form the expressed segment for recombinant Human GABRP. The theoretical molecular weight of the GABRP protein is 28.9 kDa. This protein is generated in a e.coli-based system. The GABRP gene fragment has been modified by fusing the N-terminal 6xHis tag, providing convenience in detecting and purifying the recombinant GABRP protein during the following stages.

Gamma-aminobutyric acid receptor subunit pi (GABRP) is an integral component of the GABA-A receptor family, integral for mediating inhibitory neurotransmission in the central nervous system. As a subunit of the GABA-A receptor, GABRP contributes to the formation of functional receptor complexes, playing a pivotal role in regulating neuronal excitability. Beyond its fundamental involvement in neurotransmission, GABRP has been associated with various physiological and pathological processes, including anxiety, epilepsy, and certain neurodevelopmental disorders.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.