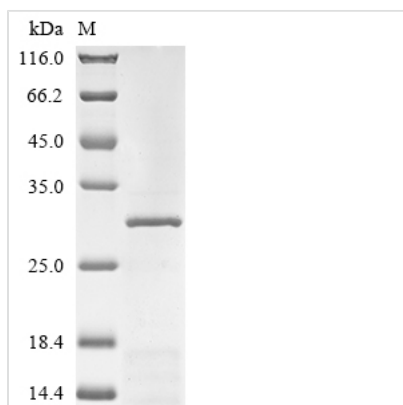




Recombinant Human Gamma-aminobutyric acid receptor subunit alpha-1 (GABRA1), partial

Product Code	CSB-EP009140HU
Abbreviation	Recombinant Human GABRA1 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.	P14867
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	QPSLQDELKDNTTVFTRILDRLLDGYDNRLRPGLGERVTEVKTDIFVTSFGPVS DHDMEYTIDVFFRQSWKDERLKFKGPMTVLRNLNLMASKIWTPDTFFHNGKK SVAHNMTMPNKLLRITEDGTLLYTMRLTVRAECPMHLEDFPMDAHACPLKFGS YAYTRAEVVYEWTTREPARSVVVAEDGSRLNQYDLLGQTVDSGIVQSSTGEYV VMTTHFHLKRKIG
Research Area	Neuroscience
Source	E.coli
Target Names	GABRA1
Protein Names	Recommended name: Gamma-aminobutyric acid receptor subunit alpha-1 Alternative name(s): GABA(A) receptor subunit alpha-1
Expression Region	28-251aa
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	29.9 kDa
Protein Length	Partial

Image



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

Description

The gene responsible for the Human GABRA1 protein (28-251aa) is incorporated into a plasmid vector, forming recombinant plasmid. The resulting recombinant plasmid is introduced into e.coli cells, from which cells survive in the presence of a specific antibiotic are selected. The selected e.coli cells containing the recombinant plasmid are cultured under conditions that facilitate the expression of the gene of interest. A N-terminal 6xHis tag is linked to the protein. After expression, affinity purification is used to isolate and purify the recombinant Human GABRA1 protein from the cell lysate. Denaturing SDS-PAGE is employed to resolve the resulting recombinant Human GABRA1 protein, revealing a purity greater than 85%.

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.