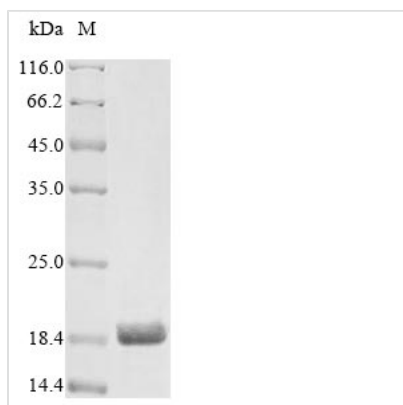


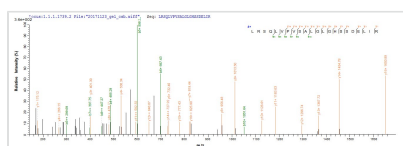


Recombinant Rat Artn (Artn)

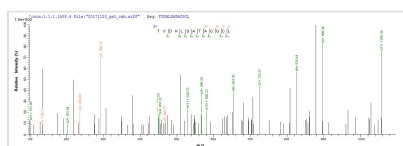
Product Code	CSB-EP002160RA
Relevance	Ligand for the GFR-alpha-3-RET receptor complex but can also activate the GFR-alpha-1-RET receptor complex. Supports the survival of sensory and sympathetic peripheral neurons in culture and also supports the survival of dopaminergic neurons of the ventral mid-brain. Strong attractant of gut hematopoietic cells thus promoting the formation Peyer's patch-like structures, a major component of the gut-associated lymphoid tissue
Abbreviation	Recombinant Rat Artn protein
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.	Q6AYE8
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	AGTRSSRARATDARGCRLRSQ LVPVSALGLGHSSDELIRFRFCSGSCRRARS PHDLSLASLLDAGALRSPPGSRPISQPCCRPTRYEAVSFMDVNSTWRTVDHL SATACGCLG
Source	E.coli
Target Names	Artn
Protein Names	Recommended name: Artn
Expression Region	112-224aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	17.1 kDa
Protein Length	Full Length of Mature Protein
Image	



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



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP002160RA could indicate that this peptide derived from E.coli-expressed *Rattus norvegicus* (Rat) Artn.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP002160RA could indicate that this peptide derived from E.coli-expressed *Rattus norvegicus* (Rat) Artn.

Description

Our Recombinant Rat Artn is a very helpful research tool for researcher in the area of Neuroscience. Originating from the 'Artn' gene of the Rat species, Artn is a neurotrophic factor in the glial cell line-derived neurotrophic factor family, which plays a vital role in the development and function of the nervous system. The recombinant protein is sourced from E.coli, covering the full length of the mature protein, precisely from the 112th to the 224th amino acid.

The Recombinant Rat Artn features N-terminal 10xHis-tagged and C-terminal Myc-tagged extensions, simplifying purification and detection processes. A purity of greater than 85%, as verified by SDS-PAGE, stands testament to our commitment to providing high-quality research products. Accommodating diverse research settings, our Artn protein is offered in two forms - liquid or lyophilized powder, presenting versatility for your unique experimental setup.

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.