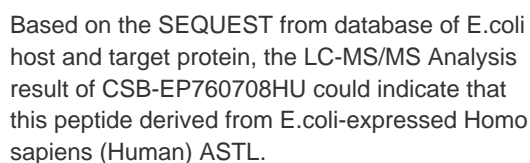
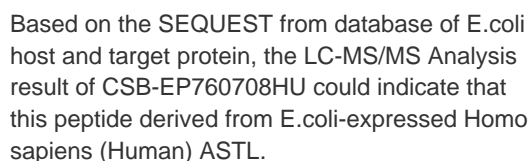
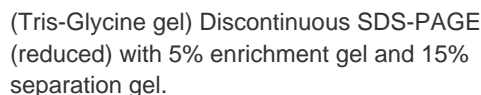




Recombinant Human Astacin-like metalloendopeptidase (ASTL)

Product Code	CSB-EP760708HU
Relevance	Oocyte-specific oolemmal receptor involved in sperm and egg adhesion and fertilization. Plays a role in the polyspermy inhibition. Probably acts as a protease for the post-fertilization cleavage of ZP2. Cleaves the sperm-binding ZP2 at the surface of the zona pellucida after fertilization and cortical granule exocytosis, rendering the zona pellucida unable to support further sperm binding
Abbreviation	Recombinant Human ASTL 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.	Q6HA08
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	APLASSCAGACGTSFPDGLTPEGTQASGDKDIPAINQGLILEETPESSFLIEGDII RPSPFRLLSATSNNKWPMMGGSGVVEVPFLLSSKYDEPSRQVILEALAEFERSTCI RFVTYQDQDRDFISIIPMYGCFSSVGRSGGMQVVS LAPTCLQKGRGIVLHELMH VLGFWHEHTRADRDYIRVNWNEILPGFEINFIKSQSSNMLTPYDYSSVMHYG RLAFSRRGLPTITPLWAPSVHIGQRWNLSASDITRVLKLYGCSPSGPRPRGRG SHAHSTGRSPAPASLSLQRLLEALSAESRSPDPSSAGGQVPVAGPGESPH GWESPALKKLSAEASARQPQTLASSPRSRPGAGAPGVAQEQSWLAGVSTKP TVPSSEAGIQPVPVQGGSPALPGGCVPRNHFKGMSED
Research Area	Signal Transduction
Source	E.coli
Target Names	ASTL
Protein Names	Oocyte astacin (Ovastacin)
Expression Region	24-431aa
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	50.6 kDa
Protein Length	Full Length of Mature Protein
Image	



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.

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