Recombinant Human D-amino acid oxidase activator (DAOA)

Product Code	CSB-EP006495HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P59103
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MLEKLMGADS LQLFRSRYTL GKIYFIGFQR SILLSKSENS LNSIAKETEE GRETVTRKEG WKRRHEDGYL EMAQRHLQRS LCPWVSYLPQ PYAELEEVSS HVGKVFMARN YEFLAYEASK DRRQPLERMW TCNYNQQKDQ SCNHKEITST KAE
Source	E.coli
Target Names	DAOA
Protein Names	Recommended name: D-amino acid oxidase activator Alternative name(s): Protein G72
Expression Region	1-153
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This gene encodes a protein that is an activator of the FAD-dependent enzyme D-amino acid oxidase, which degrades the gliotransmitter D-serine, a potent activator of N-methyl-D-aspartate (NMDA) type glutamate receptors. Polymorphisms in this gene have been implicated in susceptibility to schizophrenia and bipolar affective disorder, possibly due to decreased levels of D-serine and decreased NMDA receptor functioning. Alternatively spliced transcript variants encoding different isoforms have been identified.
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.