

Recombinant Human DAOA Protein, His-tagged

Cat. No. DAOA-367H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DAOA, transcript variant 11, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes a protein that may function as an activator of D-amino acid oxidase, which degrades the gliotransmitter D-serine, a potent activator of N-methyl-D-aspartate (NMDA) type glutamate receptors. Studies also suggest that one encoded isoform may play a role in mitochondrial function and dendritic arborization. Polymorphisms in this gene have been implicated in susceptibility to schizophrenia and bipolar affective disorder. Alternatively spliced transcript variants encoding different isoforms have been identified.
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl. Store at -80 centigrad e. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Molecular Mass	17.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	DAOA?D-amino acid oxidase activator [?Homo sapiens?(human)]
Official Symbol	DAOA
Synonyms	DAOA; D-amino acid oxidase activator; LG72; SG72; D-amino acid oxidase activator; G72 transcript; schizophrenia- and bipolar disorder-associated protein G72
Gene ID	267012
mRNA Refseq	NM_172370
Protein Refseq	NP_758958
MIM	607408
UniProt ID	P59103

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