

## Recombinant Dog CAT protein, His&Myc-tagged

Cat. No. CAT-2311D Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Dog CAT protein(O97492)(35-527aa), fused with N-terminal His tag and C-terminal Myc tag, was expressed in E.coli.
<b>Species</b>	Dog
<b>Source</b>	E.coli
<b>ProteinLength</b>	35-527aa
<b>Form</b>	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
<b>Molecular Mass</b>	63.6 kDa
<b>Purity</b>	Greater than 85% as determined by SDS-PAGE.
<b>Storage</b>	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	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.

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**AA Sequence**

IGDKLVMTAGPRGPLLVDVVFTDEMAHFDRERIPERVVHAKGAGAFGYFEVTHDI  
TKYSKAKVFEHIGKRTPIAVRFSTVAGESGSADTVRDPRGFAVKFYTEDGNWDLVG  
NNTPIFFIRDAILFPSFIHSQKRNPQTHLKDPDMVWDFWSLRPESLHQVSFLFSDRGI  
PDGHRHMNGYGSHTFKLVNAAGEAVYCKFHKTQGGIKNLSVEDAARLSHEDPDY  
GLRDLFNAIATGNYPSTWTFYIQVMTFSQAETFPFNPFDLTKIWP HQDYPLIPVGKLVL  
NRNPVNYFAEVEQMAFDPSNMPPGIEPSPDKMLQGRLFAYPDTHRHLGPNYLQIP  
VNCPPFRARVANYQRDGPMLDNQGGAPNYYPNFSFAPEQQRCVLEHSSQCSPD  
VQRFNSANEDNVTQVRTFYLVKVLGEEERKRLCENIAGHLKDAQLFIQKKAVKNFSDV  
HPDYGARIQALLDKYNAEKPKNAIHTFMQHGSHLAAREKANL

**GENE INFORMATION**

**Gene Name** [CAT catalase \[ Canis lupus familiaris \]](#)

**Official Symbol** [CAT](#)

**Synonyms** CAT; catalase;

**Gene ID** [403474](#)

**mRNA Refseq** [NM\\_001002984](#)

**Protein Refseq** [NP\\_001002984](#)

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