

Recombinant Human CAT Protein

Catalog #	Source	Reactivity	Applications
CRP1178	E. coli	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human CAT Protein is produced by our E. coli expression system and the target gene encoding Ala2-Leu527 is expressed.		
Form	Liquid in a 0.2 μM filtered solution of PBS, PH7.4.		
Gene Symbol	CAT		
Alternative Names	Catalase		
Entrez Gene	847 (Human)		
SwissProt	P04040 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	<p>ADSRDPASDQ MQHWKEQRAA QKADVLTTGA GNPVGDKLVN ITVGPRGPLL</p> <p>VQDVVFTDEM AHFDRERIPE RVVHAKGAGA FGYFEVTHDI TKYSKAKVFE HIGKKTPIAV</p> <p>RFSTVAGESG SADTVRDRPG FAVKFYTEDG NWDLVGNNTN IFFIRDPIILF PSFIHSQKRN</p> <p>PQTHLKDPDM VWDFWSLRPE SLHQVSFLFS DRGIPDGHRH MNGYGSHTFK</p> <p>LVNANGEAVY CKFHYKTDQG IKNLSVEDAA RLSQEDPDYG IRDLFNAIAT GKYPSTWTFYI</p> <p>QVMTFNQAET PPFNPFDLTK VVPHKDYPLI PVGKLVLRN PVNYFAEVEQ IAFDPSNMPP</p> <p>GIEASPKML QGRLFAYPDT HRHRLGPNYL HIPVNCYRA RVANYQRDGP</p> <p>MCMQDNQGGA PNYYPNSTFGA PEQQPSALEH SIQYSGEVRR FNTANDDNVT</p> <p>QVRAFVNVNVL NEEQRKRLCE NIAGHLKDAQ IFIQKKAVKN FTEVHPDYGS HIQALLDKYN</p> <p>AEKPKNAIHT FVQSGSHLAA REKANL</p>		
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

Storage/Stability Store it at -20°C to -80°C for one year.

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