

Recombinant Streptomyces sp. CHOA Protein (43-546 aa), GST-tagged

Cat. No. CHOA-1028S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Streptomyces sp. (strain SA-COO) CHOA Protein (43-546 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	Streptomyces sp.
Source	E.coli
ProteinLength	43-546 aa
Description	Bifunctional enzyme that catalyzes the oxidation of the 3-beta-hydroxy group of cholesterol and the isomerization of the double bond of the resulting product.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	81.9 kDa
AA Sequence	DNGGYVPAVVIGTGYGAAVSALRLGEAGVQTLMLEMGQLWNQPGPDGNIFCGMLN PDKRSSWFKNRTEAPLGSFLWLDVVNRNIDPYAGVLDRVNYDQMSVYVGRGVGG GSLVNGGMAVEPKRSYFEEILPRVDSSEMYDRYFPRANSMLRVNHIDTKWFEDTE WYKFARVSREQAGKAGLGTVPNVYDFGYMQREAAGEVPKSALATEVIYGNNHG KQSLDKTYLAAALGTGKVTIQTLHQVKTIRQTKDGGYALTVEQKDTDGKLLATKEISC RYLFLGAGSLGSTELLVRARDTGTLPNLNSEVGAGWGPNGNIMTARANHMMWNPTG AHQSSIPALGIDAWDNSDSSVFAEIAPMPAGLETWVSLYLAIKPNPQRGTFVYDAAT

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DRAKLNWTRDQNAPAVNAAKALFDRINKANGTIYRYDLFGTQLKAFADDFCYHPLG
GCVLGKATDDYGRVAGYKNLYVTDGSLIPGSVGVNPFVTITALAERNVERIIKQDVTA
S

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

UniProt ID [P12676](#)

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