

Recombinant Human CA12 protein, His-SUMO-tagged

Cat. No. CA12-2616H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CA12 protein(O43570)(25-301aa), fused to N-terminal His tag and SUMO tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	25-301aa
Form	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.
Molecular Mass	47.1 kDa
AA Sequence	APVNGSKWTYFGPDGENSWSKYPSCGGLLQSPIDLHSDILQYDASLTPLEFQGYN LSANKQFLLTNGHSVKLNLPSDMHIQGLQSRYSATQLHLHWGNPNDPHGSEHTVS GQHFAELHIVHYNSDLYPDASTASNKSEGLAVLAVLIEMGSFNPSYDKIFSHLQHVK YKGQEA FVPGFNIEELLPERTAEYYRYRGLSTTPPCNPTVLWTVFRNPVQISQEQLL ALETALYCTHMDDPSPREMINNFRQVQKFDERLVYTSFSQVQVCTAAGLS
Purity	Greater than 90% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid

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repeated freeze-thaw cycles.

Reconstitution

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%.

GENE INFORMATION

Gene Name CA12 carbonic anhydrase XII [Homo sapiens]

Official Symbol CA12

Synonyms CA12; carbonic anhydrase XII; carbonic anhydrase 12; HsT18816; CA-XII; carbonic dehydratase; carbonate dehydratase XII; tumor antigen HOM-RCC-3.1.3; CAXII; FLJ20151;

Gene ID 771

mRNA Refseq NM_001218

Protein Refseq NP_001209

MIM 603263

UniProt ID O43570

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