



Recombinant Human Prolyl 4-hydroxylase subunit alpha-3 (P4HA3)

Product Code	CSB-BP772021HU
Abbreviation	P4HA3
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q7Z4N8
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	D PERAAARGDT FSALTSVARA LAPERRLLGL LRRYLRGEEA RLRDLTRFYD KVLSLHEDST TPVANPLLAF TLIKRLQSDW RNVVHSLEAS ENIRALKDGY EKVEQDLPAF EDLEGAARAL MRLQDVYMLN VKGLARGVFQ RVTGSAITDL YSPKRLFSLT GDDCFQVGKV AYDMGDYYHA IPWLEEAVSL FRGSYGEWKT EDEASLEDAL DHLAFAYFRA GNVSCALSLS REFLLYSPDN KRMARNVLKY ERLLAESPNI VVAEAVIQRN NIPHLQTRDT YEGLCQTLGS QPTLYQIPSL YCSYETNSNA YLLLQPIRKE VIHLEPYIAL YHDFVSDSEA QKIRELAEPW LQRSVVASGE KQLQVEYRIS KSAWLKDTVD PKLVTLNHRI AALTGLDVRP PYAEYLQVVN YGIGGHYEPH FDHATSPSSP LYRMKSGNRV ATFMIVLSSV EAGGATAFIY ANLSVPVVRN AALFWWNLHR SGEGSDTLH AGCPVLVGDK WVANKWIHEY GQEFRRPCSS SPED
Source	Baculovirus
Target Names	P4HA3
Protein Names	Recommended name: Prolyl 4-hydroxylase subunit alpha-3 Short name= 4-PH alpha-3 EC= 1.14.11.2 Alternative name(s): Procollagen-proline,2- oxoglutarate-4-dioxygenase subunit alpha-3
Expression Region	20-544
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes a component of prolyl 4-hydroxylase, a key enzyme in collagen synthesis composed of two identical alpha subunits and two beta subunits. The encoded protein is one of several different types of alpha subunits and provides the major part of the catalytic site of the active enzyme. In collagen and related proteins, prolyl 4-hydroxylase catalyzes the formation of 4-hydroxyproline that is essential to the proper three-dimensional folding of newly



synthesized procollagen chains. Alternatively spliced transcript variants have been observed, but their full-length nature has not been determined.

Reconstitution

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. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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