



Recombinant Pongo abelii Homogentisate 1,2-dioxygenase (HGD)

Product Code	CSB-YP716231PYX
Abbreviation	HGD
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.	Q5RF05
Product Type	Recombinant Protein
Immunogen Species	Pongo abelii (Sumatran orangutan) (Pongo pygmaeus abelii)
Purity	≥85% (SDS-PAGE)
Sequence	MAQLKYISGF GNECSSDPR CPGSLPEGQN NPQVCPYNLY AEQLSGSAFT CPRSTNKRSW LYRIPPSVSH KPFESIDEGH VTHNWDEVDP DPNQLRWKPF EIPKVSQKKV DLVSGLHTLC GAGDIKSNG LAIHIFLCNT SMENRCFYNS DGDFLIVPQK GNLLIYTEFG KMLVQPNEIC VIQRGMRFSI DVFEETRGI LEVYGVHFEI PDLGPIGANG LANPRDFLIP VAWYEDRQVP GGYTVIDKYQ GKLFAAKQGV SPFNVAWHG NYTPYKYNLK NFMVINSVAF DHADPSIFTV LTAKSVRPGV AIADFVIFPP RWGVADKTFR PPYYHRNCMS EFMGLIRGHY EAKQGGFLPG GGSLSHSTMT HGPDADCFEK ASKAKLAPER IADGTMAFMF ESSLSLAVTK WGLKASRCLD ENYHKCWEPL KSHFTPNFRN PAEPN
Source	Yeast
Target Names	HGD
Protein Names	Recommended name: Homogentisate 1,2-dioxygenase EC= 1.13.11.5 Alternative name(s): Homogentisate oxygenase Homogentisic acid oxidase Homogentisicase
Expression Region	1-445
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 protein
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	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.