

32-7257: Recombinant Human Hydroxyacid Oxidase 1/HAO1 (N-Trx, 6His)

Gene : HAO1
Gene ID : 54363
Uniprot ID : Q9UJM8

Description

Source: E.coli.
MW :58.6kD.

Recombinant Human Hydroxyacid Oxidase 1 is produced by our E.coli expression system and the target gene encoding Met1-Ile370 is expressed with a Trx, 6His tag at the N-terminus. Hydroxyacid Oxidase 1 (HAO1) is an enzyme that belongs to the FMN-Dependent α -Hydroxy Acid Dehydrogenase family. HAO1 contains 1 FMN Hydroxy Acid Dehydrogenase domain. HAO1 is expressed primarily in the liver and pancreas. This protein has 2-Hydroxyacid Oxidase activity. Most HAO1 is active on the 2-Carbon substrate Glycolate, but it can also be active on 2-Hydroxy fatty acids, with higher activity towards 2-Hydroxy Palmitate and 2-Hydroxy Octanoate.

Product Info

Amount : 10 μ g / 50 μ g
Content : Supplied as a 0.2 μ m filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MSDKIIHLTDDSFDTDLKADGAILVDFWAEWCGPCKMIAPILDEIADEYQGKLTVAKLNIDQNPGTAPKYGIRGI
PTLLLFKNGEVAATKVGALSKGQLKEFLDANLAGSGSGMHMHHHHHSSGLVPRGSGMKETAAAKFERQHMD
SPDLGTDDDDKAMADIGSMLPRLICINDYEQHAKSVLPKSIYDYRSGANDEETLADNIAAFSRWKLYPRMLRN
VAETDLSTSVLGQRVSMPICVGATAMQRMHVVDGELATVRACQSLGTGMMLSSWATSSIEEVAEAGPEALRW
LQLYIKDREVTKKLVRQAEKMGYKAIFVTVDTPYLGNRLLDDVRNRFKLPQLRMKNFETSTLSFSPEENFGDDS
GLAAYVAKAIDPISISWEDIKWLRLTSLPIVAKGILRGDDAREAVKHGLNGLVSNHGARQLDGVPATIDVLP
EIV EAVEGKVEVFLDGGVVRKGTDLKALALGAKAVFVGRPIVWGLAFQGEKGVQDVLEILKEEFRLAMALSGCQNV
KVIDKTLVRKNPLAVSKI

Application Note

Endotoxin : Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.