

Recombinant Human HAO1 protein, His-tagged

Cat. No. HAO1-5744H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HAO1 protein(1-260 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-260 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	MLPRLICINDYEQHAKSVLPKSIYDYRSGANDEETLADNIAAFSRWKLYPRMLRNVA ETDLSTSVLGQRVSMPICVGATAMQRMHVVDGELATVRACQSLGTGMMLSSWATS SIEEVAEAGPEALRWLQLYIYKDREVTKKLVQRQAEKMGYKAIFVTVDTPYLGNRLLDD VRNRFKLPPQLRMKNFETSTLSFSPEENFGDDSGLAAYVAKAIDPSISWEDIKWLRRL LTSLPIVAKGILRGDDAREAVKHGLNGILVSNH
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name HAO1 hydroxyacid oxidase (glycolate oxidase) 1 [Homo sapiens]

Official Symbol HAO1

Synonyms HAO1; hydroxyacid oxidase (glycolate oxidase) 1; GOX1; hydroxyacid oxidase 1; GOX; glycolate oxidase; (S)-2-hydroxy-acid oxidase; HAOX1; MGC142225; MGC142227;

Gene ID 54363

mRNA Refseq NM_017545

Protein Refseq NP_060015

MIM 605023

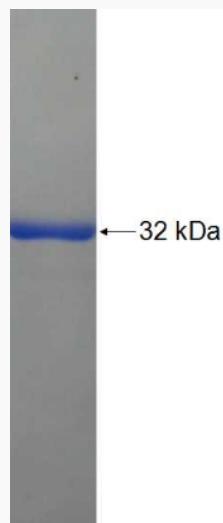
UniProt ID Q9UJM8

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SDS-PAGE



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