abcam

Product datasheet

Recombinant Human HAO1/GOX protein ab113144

1 References 1 Image

Description

Product name	Recombinant Human HAO1/GOX protein
Purity	> 95 % SDS-PAGE. ab113144 was purified using conventional chromatography.
Expression system	Escherichia coli
Accession	Q9UJM8
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGS MLPRLICINDYEQH AKSVLPKSIYDYYRSGAN DEETLADNIAAFSRWKLYPRMLRNVAETDL STSVLGQRVSMPICVGATAMQRMAHVDGELATVRACQSL GTGMML SSW ATSSIEEVAEAGPEALRWLQLYIYKDREVTKKLVRQAEKM GYKAIFVTVD TPYLGNRLDDVRNRFKLPPQLR MKNFETSTLSFSPEENFGDDSGLAAY VAKAIDPSISWEDIKWLRRLTSLPIVAKGILRGDDAREAVK HGLNGILV SNHGARQLDGVPATIDVLPEIVEAVEGKVEVFLDGGVRKG TDVLKALAL GAKAVFVGRPIVWGLAFQGEKGVQDV LEILKEEFRLAMALSGCQNVKV IDKTLVRKNPLAVSKI
Predicted molecular weight	45 kDa including tags
Amino acids	1 to 370
Tags	His tag N-Terminus , DDDDK tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab113144** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Mass spectrometry	MALDI-TOF

Form	Liquid
Additional notes	Protein previously labeled as HAO1.

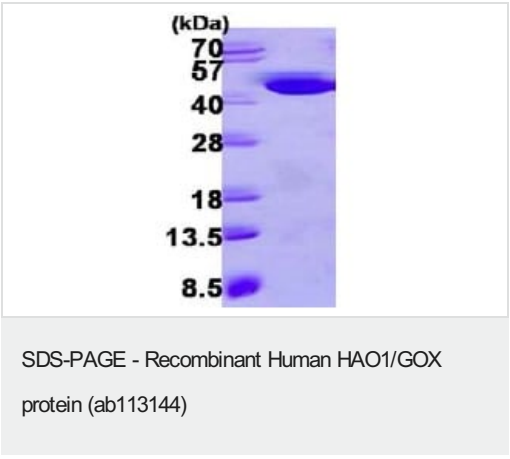
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.32% Tris HCl, 20% Glycerol (glycerin, glycerine), 2.92% Sodium chloride

General Info

Function	Has 2-hydroxyacid oxidase activity. Most active on the 2-carbon substrate glycolate, but is also active on 2-hydroxy fatty acids, with high activity towards 2-hydroxy palmitate and 2-hydroxy octanoate.
Tissue specificity	Liver.
Pathway	Organic acid metabolism; glycolate degradation; 3-phospho-D-glycerate from glycolate: step 1/4.
Sequence similarities	Belongs to the FMN-dependent alpha-hydroxy acid dehydrogenase family. Contains 1 FMN hydroxy acid dehydrogenase domain.
Cellular localization	Peroxisome.

Images



SDS-PAGE - Recombinant Human HAO1/GOX protein (ab113144)

15% SDS-PAGE analysis of ab113144 (3µg)

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