

Product datasheet

Recombinant human HAO1/GOX protein (Active)
 ab241318

1 Image

Description

Product name	Recombinant human HAO1/GOX protein (Active)	
Biological activity	Specific activity is > 3,000 pmol/min/μg, and defined as the amount of enzyme that oxidize glyoxylate at pH 8.0 at 25°C.	
Purity	> 95 % SDS-PAGE. Purified using conventional chromatography.	
Endotoxin level	< 0.100 Eu/μg	
Expression system	Escherichia coli	
Accession	Q9UJM8	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGS MLPRLICINDYEQH AKSVLPKSYDYRSGANDEETLADNIAAFSRWKLYPRML RNVAETDLST SVLGQRVSMPICVGATAMQRMAHVDGELATVRACQSLGT GMLLSSWATSS IEEVAEAGPEALRWLQLYYKDREVTKKLVRQAEKMGYKAI FVTVDTPYL GNRLDDVRNRFKLPPQLRMKNFETSTLSFSPEENFGDDS GLAAYVAKAID PSISWEDIKWLRRRLTSLPIVAKGILRGDDAREAVKHGLNGIL VSNHGARQ LDGVPATIDVLPMEAVEGKVEVFLDGGVRKGTDLKAL ALGAKAVFVG RPIWGLAFQGEKGVQDVLEILKEEFRLAMALSGCQNVK VIDKTLVRKNP LAVSKI	
Predicted molecular weight	45 kDa including tags	
Amino acids	1 to 370	
Tags	His tag N-Terminus	

Additional sequence information NP_060015.

Specifications

Our [Abpromise guarantee](#) covers the use of **ab241318** in the following tested applications.

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

Applications	Functional Studies SDS-PAGE Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid

Preparation and Storage

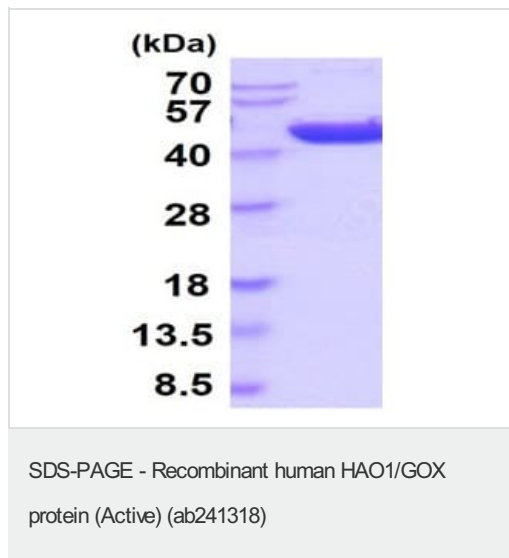
Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.32% Tris HCl, 20% Glycerol (glycerin, glycerine), 2.9% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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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

15% SDS-PAGE analysis of 3 µg ab241318.



Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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