

Product datasheet

Native Rat HO-2 protein ab222789

Description

Product name	Native Rat HO-2 protein
Purity	> 90 % SDS-PAGE. Ion-exchange purified.
Expression system	Native
Accession	P23711
Protein length	Full length protein
Animal free	No
Nature	Native
Species	Rat
Sequence	<pre> MSSEVETSEGVDESENNSTAPEKENHTKMADLSELLKEG TKEAHDRAENT QFVKDFLKGNIKKELFKLATTALYFTYSALEEEMDRNKDH PAFAPLYFPT ELHRKEALIKDMEYFFGENWEEQVKCSEAAQKYVDRIHYV GQNEPELLVA HAYTRYMGDLSGGQVLKKVAQRALKLPSTGEGTQFYLF HVDNAQQFKQF YRARMNALDLSMKTKERIVEEANKAFEYNMQIFSELDQAG SMLTKETLED GLPVHDGKGDVRKCPFYAAQPDKGTGGSNCPFRRTAMA VLRKPSLQLILA ASVALVAGLLAWYYM </pre>
Predicted molecular weight	36 kDa
Amino acids	1 to 315
Additional sequence information	NP_077363.1.

Specifications

Our [Abpromise guarantee](#) covers the use of **ab222789** 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
Form	Liquid

Preparation and Storage

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at -80°C. Avoid freeze / thaw cycle.

Constituents: 0.003% EDTA, 0.24% Tris, 0.15% Potassium chloride, 0.25% sodium cholate hydrate

General Info

Function

Heme oxygenase cleaves the heme ring at the alpha methene bridge to form biliverdin. Biliverdin is subsequently converted to bilirubin by biliverdin reductase. Under physiological conditions, the activity of heme oxygenase is highest in the spleen, where senescent erythrocytes are sequestered and destroyed. Heme oxygenase 2 could be implicated in the production of carbon monoxide in brain where it could act as a neurotransmitter.

Sequence similarities

Belongs to the heme oxygenase family.
Contains 2 HRM (heme regulatory motif) repeats.

Cellular localization

Microsome. Endoplasmic reticulum.

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

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