

## Recombinant Human KMO protein, GST-tagged

Cat. No. KMO-617H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human KMO protein(107-407 aa), fused with N-terminal GST tag, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	107-407 aa
<b>Form</b>	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 8.0). 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 100 mM reduced glutathione (GSH).
<b>AASequence</b>	LSVSRENLNKDLLTAAEKYPNVKMHFNHRLKCNPEEGMITVLGSDKVPKDVTCDLI VGCDGAYSTVRSMLMCKPRFDYSQQYIPHYMELTIPPKNGDYAMEPNYLHIWPRN TFMMIALPNMNKSFTCTLFMPFEEFEKLLTSNDVVDFQKYFPDAIPLIGEKLQVDF FLLPAQPMISVKCSSFHFKSHCVLLGDAHAIVPFFGQGMNAGFEDCLVFDELMDKF SNDLSLCLPVFSRLRIPDDHAISDLSMYNIEKNMERFLHAIMPSTFIPLYTMVTFSRIR YHEAVQRWHWQKR
<b>Purity</b>	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 12 months,

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

**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** KMO kynurenine 3-monooxygenase (kynurenine 3-hydroxylase) [ Homo sapiens ]

**Official Symbol** KMO

**Synonyms** KMO; kynurenine 3-monooxygenase (kynurenine 3-hydroxylase); kynurenine 3-monooxygenase; kynurenine 3-hydroxylase; dJ317G22.1;

**Gene ID** 8564

**mRNA Refseq** NM\_003679

**Protein Refseq** NP\_003670

**MIM** 603538

**UniProt ID** O15229

**SDS-PAGE**

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