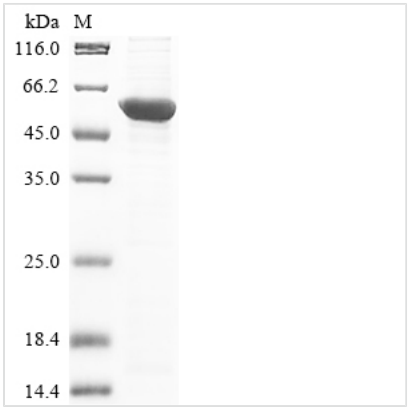
Recombinant Human Kynurenine 3-monooxygenase (KMO)

Product Code	CSB-EP012475HUb0
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	O15229
Storage Buffer	Tris-based buffer?50% glycerol
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MDSSVIQRKKVAVIGGGLVGSLQACFLAKRNFQIDVYEAREDTRVATFTRGRSI NLALSHRGRQALKAVGLEDQIVSQGIPMRARMIHSLSGKKSAIPYGTKSQYILS VSRENLNKDLLTAAEKYPNVKMHFNHRLLKCNPEEGMITVLGSDKVPKDVTCD LIVGCDGAYSTVRSHLMKKPRFDYSQQYIPHGYMELTIPPKNGDYAMEPNYLH IWPRNTFMMIALPNMNKSFTCTLFMPFEEFEKLLTSNDVVDFFQKYFPDAIPLIG EKLLVQDFFLLPAQPMISVKCSSFHFKSHCVLLGDAAHAIVPFFGQGMNAGFE DCLVFDELMDKFSNDLSLCLPVFSRLRIPDDHAISDLSMYNYIEMRAHVNSSWF IFQKNMERFLHAIMPSTFIPLYTMVTFSRIRYHEAVQRWHWQKKVINKGLFFLG SLIAISSTYLLIHYMSPRSFLRLRRPWNWIAHFRNTTCFPAKAVDSLEQISNLISR
Lead Time	3-7 business days
Research Area	Metabolism
Source	E.coli
Gene Names	KMO
Expression Region	1-486aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged
Mol. Weight	61.9 kDa
Protein Description	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Enhance your metabolic research with our premium Recombinant Human KMO protein, a critical enzyme involved in the kynurenine pathway of tryptophan degradation. Kynurenine 3-monooxygenase (KMO) catalyzes the hydroxylation of L-kynurenine to 3-hydroxykynurenine, a critical step in the production of important neuroactive metabolites such as quinolinic acid and kynurenic acid. Studying KMO and its role in tryptophan metabolism is crucial to understanding various neurological and immunological disorders.

Our Recombinant Human KMO protein spans the full length of the enzyme (1-486 amino acids) and is expressed in E. coli for robust and reliable production. The N-terminal 10xHis-tag ensures efficient purification without compromising the protein's structure or function. With a purity of greater than 85% as determined by SDS-PAGE, our Recombinant Human KMO protein guarantees the quality and consistency needed for your metabolic research. Choose from liquid or lyophilized powder forms to suit your experimental requirements.