

Recombinant Human CYP19A1 protein, His-tagged

Cat. No. CYP19A1-0938H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CYP19A1 protein(1-503aa)(P11511), fused to N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-503aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	62.0 kDa
AA Sequence	MVLEMLNPIHYNITSIVPEAMPAATMPVLLLTGLFLLVWNYEGTSSIPGPGYCMGIGP LISHGRFLWMGIGSACNYYNRVYGEFMRVWISGEETLIISKSSSMFHIMKHNHYSSR FGSKLGLQCIGMHEKGIIFFNNNPWLKTRPFFMKALSGPGLVRMVTVCAESLKTHL DRLEEVNTNESGYVDVLTLLRRVMLDTSNTLFLRIPLDESAIVVKIQGYFDAWQALLIKP DIFFKISWLYKKYEKSVKDLKDAIEVLIAEKRRRISTEEKLEECMDFATELILAEKRGDL TRENVNQCIEMLIAAPDTMSVSLFFMLFLIAKHPNVVEEAIKEIQTVIGERDIKIDDIQKL KVMENFIYESMRYQPVVDLVMRKALEDDVIDGYPVKKGTNIILNIGRMHRLEFFPKPN EFTLENFAKNVPYRYFQPFQFGPRGCAGKYIAMVMMKAILVTLLRRFHVKTQGC VESIQUIHDLSLHPDETKNMLEMIFTPRNSDRCLEH

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Purity	Greater than 85% as determined by SDS-PAGE.
Storage	Store at -20°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C.

GENE INFORMATION

Gene Name	CYP19A1 cytochrome P450, family 19, subfamily A, polypeptide 1 [Homo sapiens]
Official Symbol	CYP19A1
Synonyms	CYP19A1; cytochrome P450, family 19, subfamily A, polypeptide 1; CYP19, cytochrome P450, subfamily XIX (aromatization of androgens); cytochrome P450 19A1; ARO; ARO1; aromatase; CPV1; CYAR; P 450AROM; estrogen synthase; estrogen synthetase; cytochrome P-450AROM; microsomal monooxygenase; flavoprotein-linked monooxygenase; cytochrome P450, subfamily XIX (aromatization of androgens); CYP19; CYPXIX; P-450AROM; MGC104309;
Gene ID	1588
mRNA Refseq	NM_000103
Protein Refseq	NP_000094
MIM	107910
UniProt ID	P11511

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