Recombinant Rat Cyp17a1 protein, His-SUMO-tagged

Cat. No. Cyp17a1-2788R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Cyp17a1 protein(P11715)(1-507aa), fused to N-terminal His tag and SUMO tag, was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	1-507aa
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	73.3 kDa
AA Sequence	MWELVGLLLLILAYFFWVKSKTPGAKLPRSLPSLPLVGSLPFLPRRGHMHVNFFKLQ EKYGPIYSLRLGTTTTVIIGHYQLAREVLIKKGKEFSGRPQMVTQSLLSDQGKGVAFA DAGSSWHLHRKLVFSTFSLFKDGQKLEKLICQEAKSLCDMMLAHDKESIDLSTPIFM SVTNIICAICFNISYEKNDPKLTAIKTFTEGIVDATGDRNLVDIFPWLTIFPNKGLEVIKG YAKVRNEVLTGIFEKCREKFDSQSISSLTDILIQAKMNSDNNNSCEGRDPDVFSDRHI LATVGDIFGAGIETTTTVLKWILAFLVHNPEVKKKIQKEIDQYVGFSRTPTFNDRSHLL MLEATIREVLRIRPVAPMLIPHKANVDSSIGEFTVPKDTHVVVNLWALHHDENEWDQ PDQFMPERFLDPTGSHLITPTQSYLPFGAGPRSCIGEALARQELFVFTALLLQRFDLD VSDDKQLPRLEGDPKVVFLIDPFKVKITVRQAWMDAQAEVST

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Purity	Greater than 90% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°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. Our default final concentration of glycerol is 50%.

GENE INFORMATION

Gene Name	Cyp17a1 cytochrome P450, family 17, subfamily a, polypeptide 1 [Rattus norvegicus]
Official Symbol	Cyp17a1
Synonyms	CYP17A1; cytochrome P450, family 17, subfamily a, polypeptide 1; steroid 17-alpha-hydroxylase/17,20 lyase; CYPXVII; P450c17; P450-C17; P45017alpha; cytochrome P450c17; cytochrome P450-C17; cytochrome P450 17A1; cytochrome P450, subfamily 17; Cytochrome P450, subfamily XVII; Cyp17;
Gene ID	25146
mRNA Refseq	NM_012753
Protein Refseq	NP_036885

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