

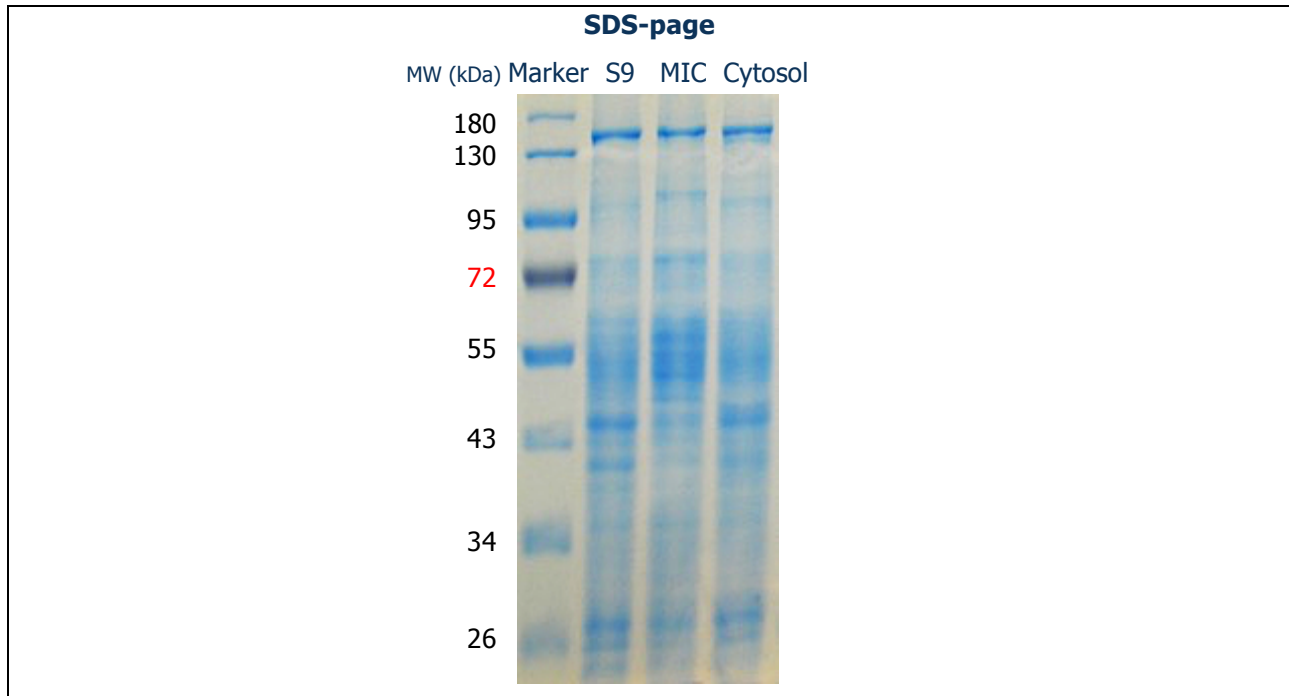
Subcellular fractions	
Lot RL191025 (Pool of 5)	Batch Release: Oct 25, 2019

Species: Wistar Han rat ( <i>Rattus norvegicus</i> ) Gender: male Age all donors: 6.5 months	Equal amount of liver tissue from each donor was pooled to generate subcellular fractions.
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Product Number	Product Description	Amount	Protein content
RL-S9-1P5	Rat liver S9 fraction, male, pool of 5	1.0 ml	5 mg/ml
RL-MIC-1P5	Rat liver microsomes, male, pool of 5	1.0 ml	5 mg/ml
RL-CYT-1P5	Rat liver cytosol, male, pool of 5	1.0 ml	5 mg/ml

Enzyme assay results			
Enzyme (Rat isoforms)	Assay	Enzyme activities (nM/mg*min) mean ± SD	
		S9 Fraction	Liver microsomes
CYP1A1/2	Phenacetin-O-deethylase	55.7 ± 6.1	104.6 ± 9.6
CYP2A6	Coumarin 7'-hydroxylase	0.91 ± 0.03	1.9 ± 0.2
CYP2B1	Bupropion-hydroxylase	8.6 ± 1.0	15.4 ± 1.7
CYP2C6/7/11	Diclofenac 4'-hydroxylase	106.1 ± 14.7	216.9 ± 10.2
CYP2D1	Bufuralol 1'-hydroxylase	167.9 ± 17.3	239.0 ± 18.3
CYP2E1	Chlorzoxazone 6'-hydroxylase	51.3 ± 1.0	82.9 ± 0.2
CYP3A1/2	Midazolam 1'-hydroxylase	320.0 ± 53.9	547.3 ± 24.3
UDP-GT	UDP-Glucuronosyltransferase	27082 ± 2355	not done
SULT	Sulfotransferase	2458 ± 171	not applicable

Note: Activity assays were performed at PRIMACYT GmbH. The assays were conducted at 1 mg/ml protein in 0.1 M Phosphate buffer at 37 °C for 15 min (phase I) or for 30 min (phase II).



**Store at -80 °C.**

This product should be considered as potential biohazard. Only intended for *in vitro* use.

Last update: Oct 25, 2019

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