

Recombinant Human GSS Protein

Catalog #	Source	Reactivity	Applications
CRP1645	E. coli	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human GSS Protein is produced by our E. coli expression system and the target gene encoding Ala2-Val474 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 μM filtered solution of 20mM Tris-HCl, 200mM NaCl, pH 7.5.		
Gene Symbol	GSS		
Alternative Names	Glutathione synthetase; GSH synthetase; GSH-S; Glutathione synthase		
Entrez Gene	2937 (Human)		
SwissProt	P48637 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	<p>ATNWGSLIQD KQQLLELARQ AVDRALAEV LLRTSQEPTS SEVVSYPFT LFPSLVPSAL</p> <p>LEQAYAVQMD FNLLVDAVSQ NAAFLEQTLSTIKQDDFTA RLFDIHKQVL KEGIAQTVFL</p> <p>GLNRSYMFQ RSADGSPALK QIEINTISAS FGGLASRTPA VHRHVLSVLS KTKEAGKILS</p> <p>NNPSKGLALG IAKAWELYGS PNALVLLIAQ EKERNIFDQR AIENELLARN IHVIRRTFED</p> <p>ISEKGLDQD RRLFVDGQEI AVVYFRDGYM PRQYSLQNWE ARLLERSHA AKCPDIATQL</p> <p>AGTKKVQQEL SRPGMLEMLL PGQPEAVARL RATFAGLYSL DVGEEGDQAI AEALAAPSRF</p> <p>VLPQREGGG NNLYGEEMVQ ALKQLKDSEE RASYILMEKI EPEPFENCLL RPGSPARVVQ</p> <p>CISELGIFGV YVRQEKTLMV NKHVGHLLRT KAIEHADGGV AAGVAVLDNP YPVLEHHHHH H</p>		
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		
Storage/Stability	Store it at -20°C to -80°C for one year.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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