

## Recombinant Human GRP170 Protein

Catalog #	Source	Reactivity	Applications
CRP2717	Human cells	Human	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Human GRP170 Protein is produced by mammalian expression system and the target gene encoding Met695-Leu999 is expressed with a 10His tag at the C-terminus.		
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.		
<b>Gene Symbol</b>	HYOU1		
<b>Alternative Names</b>	GRP170; ORP150; Hypoxia up-regulated protein 1; 150 kDa oxygen-regulated protein; ORP-150; 170 kDa glucose-regulated protein; GRP-170		
<b>Entrez Gene</b>	10525 (Human)		
<b>SwissProt</b>	Q9Y4L1 (Human)		
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.		
<b>Chemical Structure</b>	<p>MVEEIGVELV VLDLPDLPED KLAQSVQKLQ DLTLRDLEKQ EREKAANSLE AFIFETQDKL            YQPEYQEVST EEQREEISGK LSAASTWLED EGVGATTVML KEKLAELRKL CQGLFFRVEE            RKKWPERLSA LDNLLNHSSM FLKGARLIPE MDQIFTEVEM TTLEKVINET WAWKNATLAE            QAKLPATEKP VLLSKDIEAK MMALDREVQY LLNKAKFTKP RPRPKDKNGT RAEPPLNASA            SDQGEKVIPP AGQTEDAEPi SEPEKVETGS EPGDTEPLEL GGPGAEPQK EQSTGQKRPL            KNDELGGGGS HHHHHHHHHH</p>		
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
<b>Directions for Use</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH <sub>2</sub> O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		

**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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# Product Data Sheet

## Storage/Stability

Lyophilized protein should be stored at  $-20^{\circ}\text{C}$ , though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at  $2-8^{\circ}\text{C}$  for 2-7 days. Aliquots of reconstituted samples are stable at  $-20^{\circ}\text{C}$  for 3 months.

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