

## Recombinant Human DLG4 Protein

Catalog #	Source	Reactivity	Applications
CRP1445	E. coli	Human	E, WB, SDS-PAGE, MS

**Description** Recombinant Human DLG4 Protein is produced by our E. coli expression system and the target gene encoding Met1-Leu724 is expressed with a 6His tag at the N-terminus.

**Form** Lyophilized from a 0.2 μM filtered solution of PBS, pH 7.4.

**Gene Symbol** DLG4

**Alternative Names** PSD95; Disks large homolog 4; Postsynaptic density protein 95; PSD-95; Synapse-associated protein 90; SAP-90; SAP90

**Entrez Gene** 1742 (Human)

**SwissProt** P78352 (Human)

**Purity** Greater than 95% as determined by reducing SDS-PAGE.

**Chemical Structure** MNHKVHHHHH HMDCLCIVTT KKYRYQDEDT PPLEHSPAHL PNQANSPPVI VNTDTLEAPG  
 YELQVNGTEG EMEYEEITL RGNISGLGFSI AGGTDNPHIG DDPSIFITKI IPGGAAAQDG  
 RLRVNSILF VNEVDVREVT HSAAVEALKE AGSIVRLYVM RRPKPAEKVM EIKLIKGPKG  
 LGFSIAGGVG NQHIPGDNSI YVTKIIEGGA AHKDGRLQIG DKILAVNSVG LEDVMHEDAV  
 AALKNTYDVV YLKVAKPSNA YLSDSYAPPD ITTSYSQHLD NEISHSSYLK TDYPTAMTPT  
 SPRRYSPVAK DLLGEEDIPR EPRRIVHRG STGLGFNIVG GEDGEGIFIS FILAGGPADL  
 SGELRKGQDI LSVNGVDLRN ASHEQAAIAL KNAGQVTVII AQYKPEEYSR FEAKIHDLRE  
 QLMNSSLGSG TASLRNPKR GFYIRALFDY DKTKDCGFLS QALSFRFGDV LHVIDAGDEE  
 WWQARRVHSD SETDDIGFIP SKRRVERREW SRLKAKDWGS SSGSQGREDS  
 VLSYETVTQM EVHYARPIII LGPTKDRAND DLLSEFPDKF GSCVPHTTRP KREYEIDGRD  
 YHFVSSREKM EKDIQAHKFI EAGQYNHLY GTSVQSVREV AEQGKHCILD VSANAVRRLQ

**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

AAHLHPAIF IRPRLENVL EINKRITEEQ ARKAFDRATK LEQEFTECFE AIVEGDSFEE  
IYHKVKRVIE DLSGPYIWVP ARERL

## Quality Control

Endotoxin: Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.

## Directions for Use

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100  $\mu$ g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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