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# EGFR-GRB2 Complex

National Cancer Institute

## Source

National Cancer Institute. *EGFR-GRB2 Complex*. NCI Thesaurus. Code C116967.

A protein complex comprised of two epidermal growth factor receptor (EGFR) family proteins, and one or two growth factor receptor-bound protein 2 (GRB2) adaptor proteins. These complexes form after epidermal growth factor (EGF) family ligands bind to EGFR proteins. Ligand binding triggers receptor dimerization and cross-receptor tyrosine phosphorylation, which allows the SH2 domains of each growth factor receptor-bound protein 2 to form a non-covalent bond with the phosphorylated EGFR proteins.