

Recombinant Human EGFR Protein (25-645), His-tagged

Product Information

Cat	IMP-8096
Official Symbol	EGFR
Product Overview	Human EGFR (P00533-1, 25 a.a.-645 a.a.) partial recombinant protein with His tag was expressed in CHO cells.
Description	The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Mutations in this gene are associated with lung cancer.
Expression System	CHO
Species	Human
Tag	His
Form	Lyophilized from PBS. Reconstitute the lyophilized powder in ddH ₂ O or PBS up to 100 µg/mL.
Molecular Mass	95-115 kDa
Protein length	25-645
AA Sequence	<p> LEEKKVCQGTSNKLTLQGLTFEDHFLSLQRMFNNCEVVLGNLEITYVQRNY DLSFLKTIQEVAGYVLIALNTVERIPLNLQIIRGNMYYENSYALAVLSNYDA NKTGLKELPMRNLQEILHGAVRFSNNPALCNVESIQWRDIVSSDFLSNMS MDFQNHLLGSCQKCDPSCPNGSCWGAGEENCQKLTKIICAQQCSGRCRG KSPSDCCHNQCAAGCTGPRESCLVCRKFRDEATCKDTCPLMLYNPT TYQMDVNPEGKYSFGATCVKKCPRNYVVTDHGSCVRACGADSYEMEED GVRKCKKCEGPCRKVCNGIGIGEFKDSLINATNIKHFKNCTSISGDLHILP VAFRGDSFHTPPLDPQELDILKTVKEITGFLLIQAWPENRTDLHAFENLEII RGRTKQHGGQFSLAVVSLNITSLGLRSLKEISDGDVIIISGNKNLCYANTINW KKLFGTSGQKTKIISNRGENSCKATGQVCHALCSPEGCWGPEPRDCVSC RNVSRGRECVDKCNLLEGEPRFVENSECIQCHPECLPQAMNITCTGRG PDNCIQCAHYIDGPHCVKTCAPAGVMGENNTLVWKYADAGHVCHLCHPN CTYGCTGPGLEGCPNGPKIPS </p>
Endotoxin	< 0.2 EU/µg of protein (gel clotting method)
Purity	> 95% by SDS-PAGE
Applications	Functional Study; SDS-PAGE

Storage

Store at 4 centigrade for 1 week. For long term storage store at -20 to -80 centigrade. Aliquot to avoid repeated freezing and thawing.