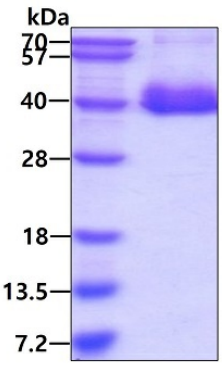
Bioactive HuPro®

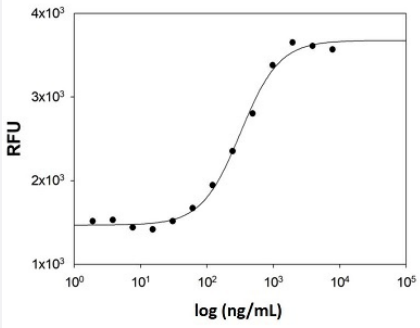
EREG (Human) Recombinant Protein

Catalog # P7894 Size 100 ug

Applications



SDS-PAGE analysis of EREG (Human) Recombinant Protein.



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human EREG (O14944, 63 a.a. - 108 a.a.) partial recombinant protein with hIgG-His tag expressed in HEK293 cells.
Sequence	DGSMVSITKCSSDMNGYCLHGQCIYLVDMSQNYCRCEVGYTGVRCEHFFLLEPKSCDKTHTCPP CPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPR EEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE LTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGN VFSCSVMHEALHNHYTQKSLSLSPGKHHHHHH

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Host	Human
Theoretical MW (kDa)	32.6
Form	Liquid
Preparation Method	Mammalian cell (HEK 293) expression system
Purity	> 90% as analyzed by SDS-PAGE.
Endotoxin Level	< 1 EU/ug of protein by the LAL method.
Activity	ED_{50} < 1 ug/mL, measured in a cell proliferation assay using Balb/3T3 mouse embryonic fibroblast cells.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue. SDS-PAGE analysis of EREG (Human) Recombinant Protein.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol)
Storage Instruction	Store at 4°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — EREG

Entrez GeneID	2069
Protein Accession#	O14944
Gene Name	EREG
Gene Alias	ER

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Gene Description	epiregulin
Omim ID	602061
Gene Ontology	Hyperlink
Gene Summary	Epiregulin is a member of the epidermal growth factor family. Epiregulin can function as a ligand of EGFR (epidermal growth factor receptor), as well as a ligand of most members of the ERBB (v-erb-b2 oncogene homolog) family of tyrosine-kinase receptors. [provided by RefSeq
Other Designations	-

Pathway

- ErbB signaling pathway

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