

Product datasheet for **RC207688L4V**

HB EGF (HBEGF) (NM_001945) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	HB EGF (HBEGF) (NM_001945) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HB EGF
Synonyms:	DTR; DTS; DTSF; HEGFL
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001945
ORF Size:	624 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207688).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_001945.1
RefSeq Size:	2381 bp
RefSeq ORF:	627 bp
Locus ID:	1839
UniProt ID:	Q99075
Cytogenetics:	5q31.3
Domains:	EGF
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane



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Protein Pathways:	Epithelial cell signaling in Helicobacter pylori infection, ErbB signaling pathway, GnRH signaling pathway
MW:	23.1 kDa
Gene Summary:	Growth factor that mediates its effects via EGFR, ERBB2 and ERBB4. Required for normal cardiac valve formation and normal heart function. Promotes smooth muscle cell proliferation. May be involved in macrophage-mediated cellular proliferation. It is mitogenic for fibroblasts, but not endothelial cells. It is able to bind EGF receptor/EGFR with higher affinity than EGF itself and is a far more potent mitogen for smooth muscle cells than EGF. Also acts as a diphtheria toxin receptor.[UniProtKB/Swiss-Prot Function]