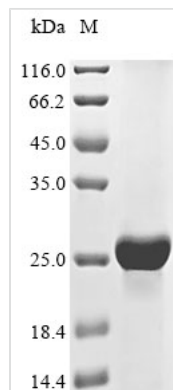




Recombinant Mouse Fibroblast growth factor 20 (Fgf20)

Product Code	CSB-EP008626MO
Abbreviation	Recombinant Mouse Fgf20 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9ESL9
Storage Buffer	Tris-based buffer,50% glycerol
Product Type	Recombinant Proteins
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MAPLTEVGAFLLGGLEGLSQQVGSFLLPPAGERPPLLGERRGALERGARGGP GSVELAHLHGILRRRQLYCRTGFHLQILPDGTVQGTRQDHSFLFGILEFISVAVG LVSIRGVDSGLYLGMNDKGELYGSEKLTSECIFREQFEENWYNTYSSNIYKHG DTGRRYFVALNKDGTPRDGARSKRHQKFTHFLPRPVDPERVPELYKDLLMYT
Research Area	Cancer
Source	E.coli
Target Names	Fgf20
Protein Names	Recommended name: Fibroblast growth factor 20 Short name= FGF-20
Expression Region	1-211aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag-Free
Mol. Weight	23.6 kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

This Recombinant Mouse Fgf20 protein was made through genetic engineering. By putting the Fgf20 gene into the genetic material of E.coli cell, the E.coli could be used as factories or producers to make the desired Fgf20 protein for research uses. The expression region of this protein is at 1-211aa. No tag was used in the expression process. The purity is 85%+ determined by SDS-PAGE.

Fibroblast growth factor 20 (FGF20), a member of the FGF family, is a paracrine growth factor whose orthologs are highly conserved among vertebrates. Human FGF20 is highly similar to rat FGF20 and mouse FGF20 (nearly 95% amino acid identity). FGF20, expressed mainly in the brain, has been suggested to be a critical factor involved in brain development and neuronal homeostasis. Reports identified the therapeutic effects of FGF20 on CNS conditions, PD and Alzheimer's disease. According to a previous study, rhFGF20 protected against BBB disruption by suppressing the inflammatory response, an effect that might be mediated through inhibition of the JNK and NF- κ B signaling pathways. aFGF has been reported to inhibit the activity of JNK and NF κ B through TAK/TAB to exert anti-inflammatory effects, and FGF21 can inhibit the JNK/NF κ B pathway. The positive roles of FGF20 in Parkinson's disease (PD) imply that it may play a neuroprotective role in other CNS disorders.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.