

## Recombinant Full Length Human KY Protein, GST-tagged

**Cat. No.** KY-5883HF    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human KY full-length ORF (BAC03471.1, 1 a.a. - 561 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>Protein Length</b>	561 amino acids
<b>Description</b>	The protein encoded by this gene belongs to the transglutaminase-like superfamily. The protein is involved in the function, maturation and stabilization of the neuromuscular junction and may be required for normal muscle growth. Mutations in this gene are associated with myopathy, myofibrillar, 7. [provided by RefSeq, Apr 2017]
<b>Molecular Mass</b>	90.3 kDa
<b>AA Sequence</b>	MELKKDINAVSIDMLLIVHSEKRRAAQGTLSQQANPSSLLQRGGGFQGVNGVRR WQKLEGNDFHENLVEKQHPQQPVITSYNSQGTQLTVEVHPRDAMPQLLKKFSLA KRLQGDKNGNTRPRQPGGKDAHAYPWRSSLKSMSDLQFQEKLDIYTSQVTAKS GLDELVSDLLQEHTDLERVRAIWIWICHHIEYDIAAAQEKDRQAFKPTDILRTQKTN CDGYAGLFERMCRLAGVQCMTVPGYSKGFYQGTGQSFSGEFDHAWNAVYLEGR WHLVDSTWGSGLVDTITSKFTFLYNEFYFLTHPALFIEDHFPDNKNWQLLKPPQSLR QFENNMYHKSEFYNGMLSAHPETSMIRTVNGKATVTIESCAPTLFMFMLNGKQEH GLLSLRKNGMKLEVYPPTMGTHKLQIFAKGNSDIYSSVLEYTLKCNVYVDMGVQLPAE

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LHQVGPSPWFSEQMGIMKPSHPDPIIHTSDGRCSISFSVEEGINVLASLHGDDGPITE  
ETQRRYIFQLHREKQTELKVQLPHAGKFALKIYVMVLENANHNFYSYILKYKVNAQ

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	KY kyphoscoliosis peptidase [ Homo sapiens ]
<b>Official Symbol</b>	KY
<b>Synonyms</b>	KY; kyphoscoliosis peptidase; FLJ33207;
<b>Gene ID</b>	339855
<b>mRNA Refseq</b>	NM_178554
<b>Protein Refseq</b>	NP_848649
<b>MIM</b>	605739
<b>UniProt ID</b>	Q8NBH2