

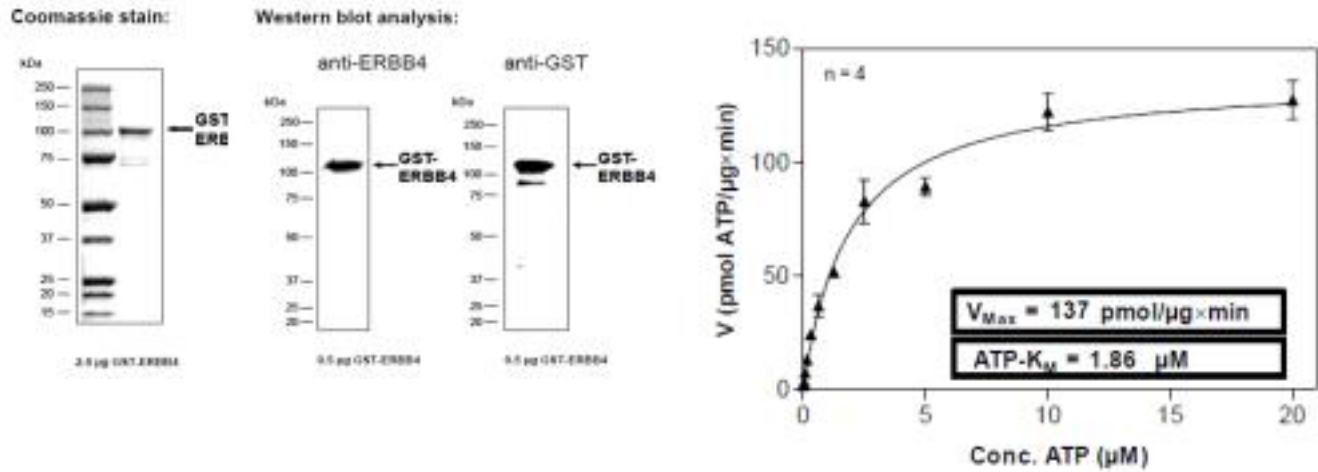
ERBB4

Recombinant Human ERBB4 Active GST-His

Catalog No.	CRE023	Quantity:	50 µg
Alternate Names:	HER4, p180erbB4		
Description:	Human ERBB4 Amino acids R ₆₇₆ -V ₁₃₀₇ (as in GenBank entry NM_005235)*, N-terminally fused to GST-HIS ₆ -Thrombin cleavage site. *Sequence may contain documented polymorphisms. Detailed sequence on request		
Concentration:	0.232 µg/µl		
Gene ID:	2066		
Protein Accession No:	NM_005235		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	Theoretical MW _{Fusion Protein} : 102,062 Da		
Formulation:	50 mM Tris-HCl + pH 8.0 + 100 mM NaCl + 5 mM DTT + 15 mM reduced glutathione, 20% glycerol		
Purification:	One-step affinity purification using GSH-agarose		
Product Identity:	ERBB4 was confirmed as human ERBB4 by Western Blotting using ERBB4 antibody.		
Specific Activity:	137 pmol/µg×min Method for determination of K _m value and specific activity: • Assay conditions: 60 mM HEPES-NaOH, pH 7.5 3 mM MgCl ₂ 3 mM MnCl ₂ 3 µM Na-orthovanadate 1.2 mM DTT 2.5 µg / 50 µl PEG _{20,000} ATP (variable) Substrate: Poly(Glu:Tyr) _{4:1} (Sigma 20K5903), 1.0 µg / 50 µl Recombinant ERBB4: 50 ng / 50 µl • Filter binding assay MSFC membrane (Millipore)		
Storage & Stability:	Store in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.		



Determination of K_m value for ATP:



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