

HER2/neu (654-662) GP2

Cat. No.:	HY-P1855
CAS No.:	160790-21-6
Molecular Formula:	C ₄₂ H ₇₇ N ₉ O ₁₁
Molecular Weight:	884.11
Sequence:	Ile-Ile-Ser-Ala-Val-Val-Gly-Ile-Leu
Sequence Shortening:	IISAVGIL
Target:	EGFR
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK
Storage:	Sealed storage, away from moisture and light, under nitrogen
	Powder -80°C 2 years
	-20°C 1 year
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

BIOLOGICAL ACTIVITY

Description

HER2/neu (654-662) GP2 is a nine amino acid peptide derived from the human epidermal growth factor receptor 2 (HER2/neu, 654-662), induces HLA-A2-restricted cytotoxic T lymphocytes (CTL) reactive to various epithelial cancers^{[1][2]}.

REFERENCES

- [1]. Sun Y, et al. Observing the temperature dependent transition of the GP2 peptide using terahertz spectroscopy. PLoS One. 2012;7(11):e50306.
- [2]. Tanaka Y, et al. Modification of the HER2/NEU-derived tumor antigen GP2 improves induction of GP2-reactive cytotoxic T lymphocytes. Int J Cancer. 2001 Nov;94(4):540-4.

Caution: Product has not been fully validated for medical applications. For research use only.

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