

STAT pathway

Symbol	Alternative Name	Function	t _{1/2} (basal)	t _{1/2} (stim)	t _{1/2} (used)	Reference
IFNGR1	IFN- γ receptor	receptor	~2.5h >>5h		5h	(Littman <i>et al</i> , 1985) (Wietzerbin <i>et al</i> , 1986)
IL6ST	gp130	receptor	~2.5h ~2.5h		2.5h	(Siewert <i>et al</i> , 1999) (Gerhartz <i>et al</i> , 1994)
IL6R	Gp80	receptor	~2.5h		2.5h	(Gerhartz <i>et al</i> , 1994)
EPOR	EpoR	receptor	3h		3h	(Walrafen <i>et al</i> , 2005)
JAK1	JAK1	Kinase	~3.2h		3.2h	(Siewert <i>et al</i> , 1999)
JAK2	JAK2	Kinase	~2h ~3h ~6h ~10h ~1h >6h		4.5h	(Siewert <i>et al</i> , 1999) (Frantsve <i>et al</i> , 2001) (Ungureanu <i>et al</i> , 2002) (Melzner <i>et al</i> , 2006) (Melzner <i>et al</i> , 2006) (Kamizono <i>et al</i> , 2001)
STAT1	STAT1	TF	~16h >24h >12h ~4h ~1.6h >24h		15h	(Siewert <i>et al</i> , 1999) (Blesofsky <i>et al</i> , 2001) (Koster and Hauser, 1999) (Tam <i>et al</i> , 1999) (Tam <i>et al</i> , 1999) (Lee <i>et al</i> , 1997)
STAT2	STAT2	TF	>24h		24h	(Lee <i>et al</i> , 1997)
STAT3	STAT3 α STAT3 β STAT3	TF	~8.5h ~4.5h >>4h ~1.6h ~1.6h		4.8h	(Siewert <i>et al</i> , 1999) (Siewert <i>et al</i> , 1999) (Tam <i>et al</i> , 1999) (Kim <i>et al</i> , 1998) (Tam <i>et al</i> , 1999)
STAT5	STAT5	TF	>>12h		16h	(Kamizono <i>et al</i> , 2001)
CISH	CIS	Inhibitor	~1h		1h	(Matsumoto <i>et al</i> , 1997)
SOCS1	SOCS-1	Inhibitor	~1.5h ~1.5h 2-3h ~5h		2h	(Siewert <i>et al</i> , 1999) (Vuong <i>et al</i> , 2004) (Chen <i>et al</i> , 2002) (Kamura <i>et al</i> , 1998)
SOCS2	SOCS-2	Inhibitor	~1h		1h	(Siewert <i>et al</i> , 1999)
SOCS3	SOCS-3	Inhibitor	~1.6h ~8h ~1h	~4h <0.5h ~0.5h	1h	(Siewert <i>et al</i> , 1999) (Haan <i>et al</i> , 2003) (Sasaki <i>et al</i> , 2003) (Haan <i>et al</i> , 2003)
SOCS5	SOCS-5	Inhibitor	~1h		1h	(Kario <i>et al</i> , 2005b)